Task Book Report Generated on: 03/28/2024

Fiscal Vear: FY 2013 Task Last Updated: FY 07/11/2013 PI Name: Salas, Eduardo Ph.D.  Using Real-Time Lexical Indicators to Detect Performance Decrements in Spaceflight Teams: A Methodology to Dynamically Monitor Cognitive, Emotional, and Social Mechanisms that Influence Performance  Program/Discipline: NSBRI  Program/Discipline- Element/Suddiscipline: NSBRI    NSBRI    NSBRI    NSBRI    NSBRI    NSBRI    NSBRI    NSBRI    None (I)    Il mann Research Program Elements: (1) HFBP-Human Factors & Behavioral Performance (IRP Rev H)  (1) BMed/Risk of Adverse Cognitive or Behavioral Conditions and Psychiatric Disorders (2) ream Risk of Performance and Elements (2) team Risk of Performance and Elements (2) ream Risk of Performance and Elements (2) ream Risk of Performance and Elements (2) ream Risk of Performance and Psychosocial Adaptation within a Team  Space Biology Element: None  Space Biology Special Category: None  PI Email: education and Psychosocial Adaptation within a Team  None  PI Caralization Type: UNIVERSITY   Phone: 713-348-3917  Organization Name: Rice University  PI Address 1: Department of Psychology  PI Address 2: 6100 Main Street MS25  PI Web Page:  Cliy: Houston   Solitic TX  Zip Code: 77005   Congressional District: 7  Top Code: 77005   Congressional District: 7  Project Type: GROUND   Solicitation Funding 2012 Crew Health NNI122SAG Source: No. of PhD Degrees:  No. of PhD Degrees: No. of Master' Degrees:  No. of PhD D Candidates: No. of Master' Degrees:  No. of PhD D Candidates: No. of Master' Degrees:  No. of PhD D Candidates: No. of Master' Degrees:  No. of PhD D Candidates: No. of Master' Degrees:  No. of PhD Candidates: No. of Master' Degrees:  No. of PhD Candidates: No. of Master' Degrees:  No. of Master' Candidates: No. of Master' Degrees:  No. of PhD Candidates: No. of Master' Degrees: No. of Master' De				
Project Title:  Using Real-Time Lexical Indicators to Detect Performance Decrements in Spaceflight Teams: A Methodology to Dynamically Monitor Cognitive, Emotional, and Social Mechanisms that Influence Performance  Program/Discipline:  NSBRI  NSBRI-Neurobehavioral and Psychosocial Factors Team  Flement/Subdiscipline:  Space Risology Cross-Plement  Space Biology Element:  None  Space Biology Special Category:  None  PI Email:  Space Biology Special Category:  None  PI Email:  Space Biology Special Category:  None  PI Email:  Space Biology Special Category:  None  PI Address 1:  Department of Psychology  PI Address 2:  6100 Main Street MS25  PI Web Page:  City:  Houston  Street MS25  Project Type:  GROUND  Solicitation / Solicitation / Funding Monitoric Comments:  No. of Post Docs:  No. of PhD Degrees:  No. of PhD Candidates:  No. of PhD Candidates:  No. of Bachelor's Candidates:  NOTE: End date is now 7/31/2016 (proviously 11/30/2014) per NSBRI (Ed., 12/8/14)  NOTE: End date is now 11/30/2014 per NSBRI (Ed., 7/15/14)  NOTE: End date is now 11/30/2014 per NSBRI (Ed., 7/15/14)  NOTE: End date is now 11/30/2014 per NSBRI (Ed., 7/15/14)	Fiscal Year:	FY 2013	Task Last Updated:	FY 07/11/2013
Division Name: Human Research Program/Discipline: Program/Discipline: NSBRI - Neurobehavioral and Psychosocial Factors Team Element/Subdiscipline: Joint Agency Name: TechPort: Yes  Human Research Program Elements: (1) HFBP-Human Factors & Behavioral Performance (IRP Rev H)  Human Research Program Elements: (1) HMed Risk of Adverse Cognitive or Behavioral Conditions and Psychiatric Disorders (2) Team Risk of Performance and Behavioral Health Decrements Due to Inadequate Cooperation, Coordination, Communication, and Psychiatric Disorders (2) Team Risk of Performance and Behavioral Health Decrements Due to Inadequate Cooperation, Coordination, Communication, and Psychiatric Disorders (3) Team Risk of Performance and Behavioral Health Decrements Due to Inadequate Cooperation, Coordination, Communication, and Psychiatric Disorders (3) Team Risk of Performance and Behavioral Health Decrements Due to Inadequate Cooperation, Coordination, Communication, and Psychiatric Disorders (3) Team Risk of Performance and Behavioral Health Decrements Due to Inadequate Cooperation, Coordination, Communication, and Psychiatric Disorders (3) Team Risk of Performance and Behavioral Health Decrements Due to Inadequate Cooperation, Coordination, Communication, and Psychiatric Disorders (4) Team Risk of Performance and Behavioral Health Decrements Due to Inadequate Cooperation, Coordination, Configuration Psychology (4) Page:  City: Plantil: Project Type: Gino Main Street MS25 Gino Main Street MS25 Project Type: Gino Main Street MS25 Gino Main Street MS25 Gino Main Street MS25 Gino Main Million Main Million MS25 Gino Million MS35 Gino MS35	PI Name:	Salas, Eduardo Ph.D.		
Program/Discipline: Program/Discipline- Element/Subdiscipline: NSBRI-Neurobehavioral and Psychosocial Factors Team Element/Subdiscipline: NSBRI-Neurobehavioral and Psychosocial Factors Team Element/Subdiscipline: Iluman Research Program Elements: (1) IFBP-Iluman Factors & Behavioral Performance (IRP Rev II)  (1) PMed-Risk of Adverse Cognitive or Behavioral Conditions and Psychiatric Disorders (2) Team-Risk of Performance and Dehavioral Health Descriments Due to Inadequate Cooperation, Coordination, Communication, and Psychosocial Adaptation within a Team Space Biology Cross-Element None Space Biology Cross-Element None Space Biology Special Category: None P1 Email: gdundosalas@rise.edu Fax: FY P1 Organization Type: UNIVERSITY Phone: 713-348-3917 Organization Name: Rice University P1 Address 1: Department of Psychology P1 Address 2: 6100 Main Street M525 P1 Web Page: City: Houston State: TX Zip Code: 77005 Congressional District: 7 Comments: NOTE: Previous affiliation was University of Central Florida, untl mid-2015 Project Type: GROUND Solicitation / Funding Solicitation / Funding Solicitation / Funding No. of PhD Degrees: No. of PhD Candidates: No. of PhD Candidates: No. of Bachelor's C	Project Title:			
Program/Discipline—Element/Subdisciplined Element/Subdisciplined Ele	Division Name:	Human Research		
Element/Subdiscipline:  Joint Agency Name:  TechPort: Yes  Human Research Program Elements: (1) HFBP-Human Factors & Behavioral Performance (IRP Rev H)  Human Research Program Risks:  (2) Team-Risk of Performance and Behavioral Conditions and Psychiatric Disorders (2) Team-Risk of Performance and Behavioral Conditions and Psychiatric Disorders (2) 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 Special Category: None  PI Email:  clauredo salas/africe.edu Pi None  PI Corganization Type: UNIVERSITY None  PI Address 1: Department of Psychology  PI Address 2: Department of Psychology  PI Address 3: Department of Psychology  PI Address 4: Department of Psychology  PI Address 5: Department of Psychology  PI Address 6: Department of Psychology  PI Address 9: Department of Psychology  PI Address 1: Department of Psychology  PI Address 1: Department of Psychology  PI Address 2: Department of Psychology  PI Address 3: Department of Psychology  PI Address 3: Department of Psychology  PI Address 1: Department of Psychology  PI Address 2: Department of Psychology  PI Address 3: Department of Psychology  PI Address 2: Department of Psychology  PI Address 3: Department of Psychology  PI Address 2: Department of Psychology  PI Address 3: Department of Psychology  PI Address 4: Department of Psychology  PI Address 4: Department of Psychology  PI Address 5: Department of Psychology  PI Address 6: Department of Psychology  PI Address 1: Department of Psychology  PI Address 1: Department of Psychology  PI Address 2: Department of Psychology  PI Address 3: Department of Psychology  PI Address 4: Departm	Program/Discipline:	NSBRI		
Human Research Program Elements: (1) HFBP-Human Factors & Behavioral Performance (IRP Rev II)  (1) BMed:Risk of Adverse Cognitive or Behavioral Conditions and Psychiatric Disorders (2) 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: eduardosalas@rice.edu Fax: FY  Pl Organization Type: UNIVERSITY Phone: 713-348-3917  Organization Name: Rice University  PI Address 1: Department of Psychology  PI Address 2: 6100 Main Street MS25  PI Web Page:  City: Houston State: TX  Zip Code: 77005 Congressional District: 7  Comments: NOTE: Previous affiliation was University of Central Florida, until mid-2015  Project Type: GROUND Solicitation / Funding Source: 2012 Crew Health NNJ12ZSAG Source: No. of Pbat Docgress:  No. of Post Docs: No. of Master' Degrees:  No. of Post Docs: No. of Master' Degrees:  No. of Master's Candidates: No. of Master' Degrees:  No. of Master's Candidates: No. of Bachelor's Degrees:  No. of Bachelor's Candidates: No. of Bachelor's Degrees: No. of Bachelor's Degrees:  No. of Bachelor's Candidates: No. of Bachelor's Degrees: No. of Bachelor's Degrees: No. of Bachelor's Candidates: No. of Bachelor's Degrees: No. of Bachelor's Candidates: No. of Bachelor's Degrees: No. of Bachelor's Candidates: No		NSBRINeurobehavioral and Psychosocial Fac	otors Team	
Comments:   Congressional District: 7	Joint Agency Name:		TechPort:	Yes
Human Research Program Risks:  C2) 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 Special Category:  None  PI Email:  cduardo.salas@rice.edu  Fax: FY  Pl Organization Type:  UNIVERSITY  Phone: 713-348-3917  Organization Name:  Rice University  PI Address 1:  Department of Psychology  PI Address 2:  6100 Main Street MS25  PI Web Page:  City:  Houston  State: TX  Zip Code:  77005  Congressional District:  7  Comments:  NOTE: Previous affiliation was University of Central Florida, until mid-2015  Froject Type:  GROUND  Solicitation / Funding Source:  Source:  08/01/2013  End Date:  08/01/2013  End Date:  No. of PhD Degrees:  No. of PhD Candidates:  No. of Master's Candidates:  No. of Master's Candidates:  No. of Bachelor's Degrees:  No. of Bachelor's Candidates:  No. of Bachelor's Degrees:  No. of Bachelor's Candidates:  No. of Bachelor's Candidates:  No. of Bachelor's Degrees:  No. of Bachelor's Candidates:  No. of Bachelor's Degrees:  No. of Bachelor's Candidates:  No. of Bachelor's Candidates:  No. of Bachelor's Degrees:  No. of Bachelor's Candidates:  No. of Bachelor's Degrees:  No. of Bachelor's Degrees:  No. of Bachelor's Degrees:  No. of Bachelor's Candidates:  No. of Bachelor's Degrees:  No. of Bachelor	<b>Human Research Program Elements:</b>	(1) <b>HFBP</b> :Human Factors & Behavioral Perform	mance (IRP Rev H)	
Space Biology Cross-Element Discipline:  Space Biology Special Category: None  PI Email: eduardo salas@rice.edu PI Organization Type: UNIVERSITY Phone: 713-348-3917 Organization Name: Rice University PI Address 1: Department of Psychology PI Address 2: 6100 Main Street MS25 PI Web Page: City: Houston State: TX Zip Code: 77005 Congressional District: 7 Comments: NOTE: Previous affiliation was University of Central Florida, until mid-2015 Project Type: GROUND Solicitation / Funding Source: Start Date: 08/01/2013 End Date: 07/31/2016 No. of Post Does: No. of PhD Candidates: No. of Master's Candidates: No. of Master' Degrees: No. of Master's Candidates: No. of Master's Candidates: No. of Master's Candidates: No. of Bachelor's Candidates: No. of Master's Candidates: No. of Bachelor's Candidates: No. of Bachelo	Human Research Program Risks:	(2) Team: Risk of Performance and Behavioral	Health Decrements Due to Inadequa	
Discipline: Space Biology Special Category: None PI Email: eduardo salas@rice.edu Fax: FY PI Organization Type: UNIVERSITY Phone: 713-348-3917 Organization Name: Rice University PI Address 1: Department of Psychology PI Address 2: 6100 Main Street MS25 PI Web Page: City: Houston State: TX Zip Code: 77005 Congressional District: 7 Comments: NOTE: Previous affiliation was University of Central Florida, until mid-2015 Project Type: GROUND Solicitation / Funding Source: Source: Source: No. of PhD Candidates: No. of PhD Degrees: No. of Post Docs: No. of PhD Candidates: No. of Master's Degrees: No. of Master's Candidates: No. of Bachelor's Degrees: No. of Bachelor's Candidates: Monitoring Center: NSBRI Contact Monitor: Contact Phone: Contact Email: Flight Program: NOTE: End date is now 7/31/2016 (previously 11/30/2014) per NSBRI (Ed., 12/8/14) NOTE: End date is now 11/30/2014 per NSBRI (Ed., 7/15/14)	Space Biology Element:	None		
PI Email:  cduardo.salas@rice.edu  Fax: FY  PI Organization Type:  UNIVERSITY  Phone: 713-348-3917  Organization Name:  Rice University  PI Address 1:  Department of Psychology  PI Address 2:  6100 Main Street MS25  PI Web Page:  City:  Houston  State: TX  Zip Code:  77005  Congressional District: 7  Comments:  NOTE: Previous affiliation was University of Central Florida, until mid-2015  Project Type:  GROUND  Solicitation / Funding Source:  Start Date:  08/01/2013  End Date:  07/31/2016  No. of PbD Degrees:  No. of PbD Degrees:  No. of Master' Degrees:  No. of Master' Degrees:  No. of Master' Degrees:  No. of Bachelor's Candidates:  No. of Bachelor's Candidates:  Contact Monitor:  Contact Monitor:  Contact Phone:  Contact Email:  Flight Program:  NOTE: End date is now 7/31/2016 (previously 11/30/2014) per NSBRI (Ed., 12/8/14)  NOTE: End date is now 11/30/2014 per NSBRI (Ed., 7/15/14)		None		
PI Organization Type: UNIVERSITY Phone: 713-348-3917  Organization Name: Rice University  PI Address 1: Department of Psychology  PI Address 2: 6100 Main Street MS25  PI Web Page:  City: Houston State: TX  Zip Code: 77005 Congressional District: 7  Comments: NOTE: Previous affiliation was University of Central Florida, until mid-215  Project Type: GROUND Solicitation / Funding Source: Source: Source: No. of PhD Degrees: No. of PhD Degrees: No. of PhD Degrees: No. of Master' Degrees: No. of Master' Degrees: No. of Master's Candidates: No. of Master' Degrees: No. of Bachelor's Candidates: No. of Bachelor's Degrees: No. of Bachelor's Candidates: Monitoring Center: NSBRI Contact Monitor: Contact Phone: Contact Email: Flight Program:  NOTE: End date is now 7/31/2016 (previously 11/30/2014) per NSBRI (Ed., 12/8/14)  NOTE: End date is now 11/30/2014 per NSBRI (Ed., 7/15/14)	Space Biology Special Category:	None		
Organization Name: Rice University  PI Address 1: Department of Psychology  PI Address 2: 6100 Main Street MS25  PI Web Page:  City: Houston State: TX  Zip Code: 77005 Congressional District: 7  Comments: NOTE: Previous affiliation was University of Central Florida, until mid-2015  Project Type: GROUND Solicitation / Funding Source: 2012 Crew Health NNJ12ZSAC Start Date: 08/01/2013 End Date: 07/31/2016  No. of Post Docs: No. of PhD Degrees: No. of PhD Degrees: No. of Master's Candidates: No. of Master' Degrees: No. of Master's Candidates: No. of Bachelor's Degrees: No. of Bachelor's Candidates: Monitoring Center: NSBRI Contact Monitor: Contact Email: Flight Program:  NOTE: End date is now 7/31/2016 (previously 11/30/2014) per NSBRI (Ed., 12/8/14)  NOTE: End date is now 11/30/2014 per NSBRI (Ed., 7/15/14)	PI Email:	eduardo.salas@rice.edu	Fax:	FY
PI Address 1: Department of Psychology PI Address 2: 6100 Main Street MS25 PI Web Page: City: Houston State: TX Zip Code: 77005 Congressional District: 7 Comments: NOTE: Previous affiliation was University of Central Florida, until mid-2015 Project Type: GROUND Solicitation / Funding Source: 2012 Crew Health NNJ12ZSAC Start Date: 08/01/2013 End Date: 07/31/2016 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: No. of Bachelor's Degrees: No. of Bachelor's Candidates: Contact Monitor: Contact Phone: Contact Email: Flight Program:  NOTE: End date is now 7/31/2016 (previously 11/30/2014) per NSBRI (Ed., 12/8/14) NOTE: End date is now 11/30/2014 per NSBRI (Ed., 7/15/14)	PI Organization Type:	UNIVERSITY	Phone:	713-348-3917
PI Address 2: 6100 Main Street MS25  PI Web Page:  City: Houston State: TX  Zip Code: 77005 Congressional District: 7  Comments: NOTE: Previous affiliation was University of Central Florida, until mid-2015  Project Type: GROUND Solicitation / Funding Source: 2012 Crew Health NNJ12ZSAC Source: No. of Post Docs: No. of PhD Degrees: No. of PhD Degrees: No. of PhD Degrees: No. of PhD Candidates: No. of Master' Degrees: No. of Master' Degrees: No. of Bachelor's Candidates: No. of Bachelor's Candidates: No. of Bachelor's Central Florida, until mid-2015  Fight Assignment: NOTE: End date is now 7/31/2016 (previously 11/30/2014) per NSBRI (Ed., 12/8/14)  NOTE: End date is now 11/30/2014 per NSBRI (Ed., 7/15/14)	Organization Name:	Rice University		
PI Web Page:  City: Houston State: TX  Zip Code: 77005 Congressional District: 7  Comments: NOTE: Previous affiliation was University of Central Florida, until mid-2015  Project Type: GROUND Solicitation / Funding Source: 2012 Crew Health NNJ12ZSAG Source: 07/31/2016  No. of Post Docs: No. of PhD Degrees: No. of PhD Degrees: No. of PhD Degrees: No. of Master' Degrees: No. of Master' Degrees: No. of Master's Candidates: No. of Bachelor's Degrees: No. of Bachelor's Candidates: No. of Bachelor's Candidates: Contact Monitor: Contact Phone: Contact Email: Flight Program:  NOTE: End date is now 7/31/2016 (previously 11/30/2014) per NSBRI (Ed., 12/8/14) NOTE: End date is now 11/30/2014 per NSBRI (Ed., 7/15/14)	PI Address 1:	Department of Psychology		
City: Houston State: TX  Zip Code: 77005 Congressional District: 7  Comments: NOTE: Previous affiliation was University of Central Florida, until mid-2015  Project Type: GROUND Solicitation / Funding Source: 2012 Crew Health NNJ12ZSA0  Start Date: 08/01/2013 End Date: 07/31/2016  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: NSBRI  Contact Monitor: Contact Phone:  Contact Email:  Flight Program:  NOTE: End date is now 7/31/2016 (previously 11/30/2014) per NSBRI (Ed., 12/8/14)  NOTE: End date is now 11/30/2014 per NSBRI (Ed., 7/15/14)	PI Address 2:	6100 Main Street MS25		
Zip Code: 77005 Congressional District: 7  Comments: NOTE: Previous affiliation was University of Central Florida, until mid-2015  Project Type: GROUND Solicitation / Funding Source: 2012 Crew Health NNJ12ZSAG Source: 2012 Crew Health NNJ12ZSAG Source: No. of Post Docs: No. of PhD Degrees: 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: No. of Bachelor's Candidates: Monitoring Center: NSBRI Contact Monitor: Contact Phone: Contact Email:  Flight Program: NOTE: End date is now 7/31/2016 (previously 11/30/2014) per NSBRI (Ed., 12/8/14)  NOTE: End date is now 11/30/2014 per NSBRI (Ed., 7/15/14)	PI Web Page:			
Comments:  NOTE: Previous affiliation was University of Central Florida, until mid-2015  Project Type:  GROUND  Solicitation / Funding Source:  2012 Crew Health NNJ12ZSAG Source:  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:  No. of Bachelor's Candidates:  Contact Monitor:  Contact Monitor:  Contact Email:  Flight Program:  NOTE: End date is now 7/31/2016 (previously 11/30/2014) per NSBRI (Ed., 12/8/14)  NOTE: End date is now 11/30/2014 per NSBRI (Ed., 7/15/14)	City:	Houston	State:	TX
Project Type:  GROUND  Solicitation / Funding Source:  2012 Crew Health NNJ12ZSAG Source:  Start Date:  08/01/2013  End Date:  07/31/2016  No. of Post Docs:  No. of PhD Degrees:  No. of Master' Degrees:  No. of Master's Candidates:  No. of Bachelor's Degrees:  No. of Bachelor's Candidates:  No. of Bachelor's Degrees:  No. of Bachelor's Degrees:  No. of Bachelor's Candidates:  No. of Bachelor's Degrees:  No.	Zip Code:	77005	<b>Congressional District:</b>	7
Start Date: 08/01/2013 End Date: 07/31/2016  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: NSBRI  Contact Monitor: Contact Phone:  Contact Email:  Flight Program:  NOTE: End date is now 7/31/2016 (previously 11/30/2014) per NSBRI (Ed., 12/8/14)  NOTE: End date is now 11/30/2014 per NSBRI (Ed., 7/15/14)	Comments:	NOTE: Previous affiliation was University of C	entral Florida, until mid-2015	
No. of Post Docs:  No. of PhD Candidates:  No. of Master' Degrees:  No. of Master's Candidates:  No. of Bachelor's Degrees:  No. of Bachelor's Candidates:  No. of Bachelor's Candidates:  Monitoring Center: NSBRI  Contact Monitor:  Contact Phone:  Contact Email:  Flight Program:  NOTE: End date is now 7/31/2016 (previously 11/30/2014) per NSBRI (Ed., 12/8/14)  NOTE: End date is now 11/30/2014 per NSBRI (Ed., 7/15/14)	Project Type:	GROUND	Solicitation / Funding Source:	2012 Crew Health NNJ12ZSA002N
No. of PhD Candidates:  No. of Master's Candidates:  No. of Bachelor's Degrees:  No. of Bachelor's Candidates:  No. of Bachelor's Candidates:  Monitoring Center: NSBRI  Contact Monitor:  Contact Email:  Flight Program:  NOTE: End date is now 7/31/2016 (previously 11/30/2014) per NSBRI (Ed., 12/8/14)  NOTE: End date is now 11/30/2014 per NSBRI (Ed., 7/15/14)	Start Date:	08/01/2013	End Date:	07/31/2016
No. of Master's Candidates:  No. of Bachelor's Degrees:  No. of Bachelor's Candidates:  Monitoring Center: NSBRI  Contact Monitor:  Contact Phone:  Contact Email:  Flight Program:  NOTE: End date is now 7/31/2016 (previously 11/30/2014) per NSBRI (Ed., 12/8/14)  NOTE: End date is now 11/30/2014 per NSBRI (Ed., 7/15/14)	No. of Post Docs:		No. of PhD Degrees:	
No. of Bachelor's Candidates:  Contact Monitor:  Contact Phone:  Contact Email:  Flight Program:  NOTE: End date is now 7/31/2016 (previously 11/30/2014) per NSBRI (Ed., 12/8/14)  NOTE: End date is now 11/30/2014 per NSBRI (Ed., 7/15/14)	No. of PhD Candidates:		No. of Master' Degrees:	
Contact Monitor:  Contact Phone:  Contact Email:  Flight Program:  NOTE: End date is now 7/31/2016 (previously 11/30/2014) per NSBRI (Ed., 12/8/14)  NOTE: End date is now 11/30/2014 per NSBRI (Ed., 7/15/14)	No. of Master's Candidates:		No. of Bachelor's Degrees:	
Contact Email:  Flight Program:  NOTE: End date is now 7/31/2016 (previously 11/30/2014) per NSBRI (Ed., 12/8/14)  NOTE: End date is now 11/30/2014 per NSBRI (Ed., 7/15/14)	No. of Bachelor's Candidates:		<b>Monitoring Center:</b>	NSBRI
Flight Program:  NOTE: End date is now 7/31/2016 (previously 11/30/2014) per NSBRI (Ed., 12/8/14)  NOTE: End date is now 11/30/2014 per NSBRI (Ed., 7/15/14)	Contact Monitor:		<b>Contact Phone:</b>	
NOTE: End date is now 7/31/2016 (previously 11/30/2014) per NSBRI (Ed., 12/8/14) NOTE: End date is now 11/30/2014 per NSBRI (Ed., 7/15/14)	Contact Email:			
Flight Assignment: NOTE: End date is now 11/30/2014 per NSBRI (Ed., 7/15/14)	Flight Program:			
Key Personnel Changes/Previous PI:	Flight Assignment:	NOTE: End date is now 7/31/2016 (previously NOTE: End date is now 11/30/2014 per NSBRI	11/30/2014) per NSBRI (Ed., 12/8/ (Ed., 7/15/14)	14)
	Key Personnel Changes/Previous PI:			
COI Name (Institution): Driskell, James (Florida Maxima Corporation)	COI Name (Institution):	Driskell, James (Florida Maxima Corporation	)	
Grant/Contract No.: NCC 9-58-NBPF03402	Grant/Contract No.:	NCC 9-58-NBPF03402		
Performance Goal No.:	Performance Goal No.:			
Performance Goal Text:	Performance Goal Text:			

Task Book Report Generated on: 03/28/2024

Task Description:

Specific aims of this project are twofold: (1) develop a methodology to assess cognitive and emotional state "at a distance" through spontaneous verbal output in real-time communications and (2) produce a real-time assessment tool to detect cognitive performance deficits, stress, fatigue, anxiety, and depression in the spaceflight operational setting. The specific project aims meet the NSBRI Neurobehavioral and Psychosocial Factors Team (NSBRI- NBPF) call for refining "entirely non-obtrusive objective means of detecting and mitigating cognitive performance deficits, stress, fatigue, anxiety and depression for the operational setting of spaceflight." Primary tasks for the first year include: (1) the development of a working model of cognitive performance deficits, stress, fatigue and anxiety in spaceflight and (2) the generation of a lexicon (in American English) indicative of these constructs. Second and third years of the project will focus on the validation of the lexical methodology through a multi-level empirical research. The primary tasks include: (1) validation via archival analysis of previously collected data, (2) validation studies conducted with representative and analogue populations, and (3) delivery of a transparent system which allows for real-time assessment and graphical display of stress processes drawn from ongoing verbal or textual communications. These tasks will afford an investigation of the topography of shifts in lexicon word use over the course of individual and team performance, examine lexicon word use to gauge stress effects, cognitive load, anxiety, etc., and predict individual and team performance outcomes. Overall, this multi-level approach will provide comprehensive, evidence-based guidance to NSBRI- NBPF addressing the need for refining "entirely non-obtrusive objective means of detecting and mitigating cognitive performance deficits, stress, fatigue, anxiety and depression for the operational setting of spaceflight."

Rationale for HRP Directed Research:

**Research Impact/Earth Benefits:** 

Task Progress:

New project for FY2013.

Bibliography Type: Description: (Last Updated: 09/04/2023)