Task Book Report Generated on: 03/29/2024

Fiscal Year: PY 2015 Task Last Updated: PY 11/20/2014 PIName: Plottus-Snyder, Lori L Ph.D. Project Title: Exploring the Relationship between In-flight Training Load Data and Museuloskeletal Health Outcomes  Division Name: Duman Research Program/Discipline: Non HIMAN RESEARCH—Biomedical countermeasures. Human Research Program Risis: (I) HHC-Human Health Countermeasures  Human Research Program Risis: (I) Hard Research Program Risis: (I) Hard Research Program Risis: (I) Human Research P	Fiscal Year:	FY 2015	Task Last Undated	FV 11/20/2014
Project Title: Exploring the Relationship between In-flight Training Load Data and Musculoskeletal Health Outcomes  Program Obseightie: HUMAN RESEARCH—Biomedical countermeasures  Flement/Subdiscipline: HUMAN RESEARCH—Biomedical countermeasures  Joint Agency Nume: TechPort: No  Bluman Research Program Elements: (1) HIMC-Homan Health Countermeasures  Human Research Program Risks: (1) Huselfe Risk of Impaired Performance Due to Reduced Muscle Size, Strongth and Endurance  Space Biology Flement: None  Space Biology Special Category: None  PI Email: Iorige@misch.edu Fax: FY  PI Organization Type: UNIVERSITY Phone: (734) 764-5210  Organization Type: OBL 4170, 1402 Washington Hss.  PI Address 1: OBL 4170, 1402 Washington Hss.  PI Address 2: School of Kinesiology  PI Web Page:  City: Ann Arbor State: MI  Zip Code: Ann Arbor State: MI  Zip Code: Alloy-2013 Congressional District: 12  Comments: Previously at Universities Space Research Association/NASA Johnson Space Center until July 2016.  Project Type: FI IGHT Solication / Funding District District Source: ONN 1975-198-198-199.  Short Date: No. of PhD Degrees:  No. of PhD Candidates: No. of PhD Degrees:  No. of PhD Candidates: No. of Bachelor's Degrees:  No. of PhD Candidates: No. of Bachelor's Degrees:  No. of Bachelor's Candidates: No. of Bachelor's Degrees: No.			rask Last Opuated:	1 11/20/2017
Division Name: Human Research Program/Dicipline- Element/Subdis-Optime- Element/Subdis-Optime- Element/Subdis-Optime- Element/Subdis-Optime- Joint Agency Name: Tech Port: No  Human Research Program Elements: (I) IHIC-Human Health Countermeasures  Human Research Program Risks: (I) Muscle Risk of Impaired Performance Due to Reduced Muscle Size, Strength and Endurance Space Biology Element: None  Space Biology Element: None Space Biology Element: None Space Biology Special Category: None PI Email: Injury William Research Program Risks: Vinne PI Organization Type: UNIVERSITY Phone: (734) 764-5210 Organization Type: UNIVERSITY Phone: (734) 764-5210 Organization Name: University of Michigan PI Address 1: Offi 4170, 1402 Washington His. PI Address 2: School of Kinesiology PI Web Page: City: Ann Arbor State: MI Zip Code: 45109-2013 Congressional District: 12 Comments: Previously at Universities Space Research Association/NASA Johnson Space Center until July 2016. Project Type: FI JOHT Solicitation Funding 2013 HERO NNUIZSA002N-Crew Health Solicitation Funding 2013 HERO NNUIZSA002N-Crew Health Solicitation Funding 2013 HERO NNUIZSA002N-Crew Health No. of Pool Doe: No. of Phateer 1001/2014 Fand Date: 1001/2016 No. of Phot Doe: No. of Phateer 1001/2016 No. of Phot Doe: No. of Phateer 1001/2016 No. of Phot Candidates: No. of Master's Ca				
Program/Discipline: Program/Discipline- Element/Suddiscipline- Element/Suddiscipline- Element/Suddiscipline- Joint Agency Name:  Item Program Robert (1) HHC-Human Health Countermeasures    Human Research Program Robert (1) HHC-Human Health Countermeasures   Human Research Program Robert (1) HHC-Human Health Countermeasures   Human Research Program Robert (1) HHC-Human Health Countermeasures   Human Research Program Robert (1) HHC-Human Health Countermeasures   Human Research Program Robert (1) HHC-Human Health Countermeasures   Human Research Program Robert (1) HHC-Human Health Countermeasures   Human Research Program Robert (1) HHC-Human Health Countermeasures   Human Research Program Robert (1) HHC-Human Health Countermeasures   Human Research Program Robert (1) HHC-Human Health Countermeasures   Human Research Program Robert (1) HHC-Human Health Countermeasures   Human Research Program Robert (1) HHC-Human Health Countermeasures   Human Research Program Robert (1) HHC-Human Health Countermeasures   Human Research Program Robert (1) HHC-Human Health Countermeasures   Human Research Program Robert (1) HHC-Human Health Countermeasures   Human Research Program Robert (1) HHC-Human Health Countermeasures   Human Research Program Robert (1) HHC-Human Health Countermeasures   Human Research Program Robert (1) HHC-Human Health Countermeasures   Human Research Program Robert (1) HHC-Human Health Countermeasures   Human Research Program Robert (1) HHC-Human Health Countermeasures   Human Rosert (1) HHC-Human Health Countermeasures   Human Rosert (1) HHC-Human Health Countermeasures   Human Research Program Robert (1) HHC-Human Health Countermeasures   Human Rosert (1) HHC-Human Health Robert (1) HHC-Human Health Rob	Troject rine.	Exploring the Relationship between in fight Training Load Data and Museuloskeletar fleatin Successives		
Program/Discipline-  Element   HUMAN RESEARCH—Biomedical countermeasures   TechPort: No   No   No   No   No   No   No   No	Division Name:	Human Research		
Element/Subdiscipline: 100MAN RESEARCH-Bonneducal countermeasures  Joint Agency Name: Tech Port: No  Human Research Program Elements: (1) HtC:Hunan Health Countermeasures  Human Research Program Risks: (1) Muscle/Risk of Impuired Performance Due to Reduced Muscle Sizz, Strength and Endurance  Space Biology Cross-Element None  Space Biology Cross-Element None  Space Biology Special Category: None  PI Emili: Ioripsi@mich.edu Faz: FY  PI Organization Type: UNIVERSITY Phone: (734) 764-5210  Organization Name: University of Michigan  PI Address 1: OBL 4170, 1402 Washington Hts.  PI Address 2: School of Kinesiology  PI Web Page: University of Michigan  PI Address 2: Strong Ann Arbor State: MI  Zip Code: 48109-2013 Congressional District: 12  Comments: Previously at Universities Space Research Association/NASA Johnson Space Center until July 2016.  Project Type: FLIGHT Solicitation / Funding 2013 HERON NIJ3ZSA002N-Crew Health Source: OMNBUS  Start Date: No. of PhD Degrees:  No. of PhD Candidates: No. of Bachelor's Degrees: No. of Master' Degrees: No. of Bachelor's Degrees: No. of Bachelor's Candidates: No. of Bachelor's Candidates: No. of Bachelor's Candidates: No. of Bachelor's Degrees: No. of Bachelor's Candidates: No. of Bachelor's Candid	Program/Discipline:			
Human Research Program Elements: (I) HIIC-Human Realth Countermeasures  Human Research Program Risks: (I) Muscle-Risk of Impaired Performance Due to Reduced Muscle Size, Strength and Endurance Space Biology Cross-Element: None  Space Biology Cross-Element: None  PI Email: Ioria (Institution): None  Organization Type: University of Michigan  University of Michigan  University of Michigan  University of Michigan  PI Address 1: OBL 4170, 1402 Washington Hts.  PI Address 2: School of Kinesiology  PI Web Page:  City: Ann Arbor State: MI  Zip Code: Ann Arbor State:		HUMAN RESEARCHBiomedical co	ountermeasures	
Human Research Program Risks:    None   None   None	Joint Agency Name:		TechPort:	No
Space Biology Cross-Element Space Biology Cross-Element Disciplines Space Biology Special Category: None PI Email: Iorips@amich.edu PI Organization Type: UNIVERSITY Phone: (734) 764-5210 Organization Name: University of Michigan PI Address 1: OBL 4170, 1402 Washington Hts. PI Address 2: School of Kinesiology PI Web Page: City: Ann Arbor State: MI Zip Code: A8109-2013 Congressional District: 12 Comments: Previously at Universities Space Research Association/NASA Johnson Space Center until July 2016. Project Type: FLIGHT Solicitation / Funding 2013 HERO NNJ13Z-SA002N-Crew Health Start Date: 1001/2014 End Date: 1001/2016 No. of Post Docs: No. of PhD Candidates: No. of Master's Candidates: No. of Master's Candidates: No. of Master's Candidates: No. of Master's Candidates: No. of Bachelor's Candidates: No. of	<b>Human Research Program Elements:</b>	(1) <b>HHC</b> :Human Health Countermeasu	nres	
Space Biology Cross-Element Discipline:  None  PI Email: Iorips@umich.edu Fax: FY  PI Organization Type: UNIVERSITY Phone: (734) 764-5210  Organization Name: University of Michigan  PI Address 1: OBL 4170, 1402 Washington Hts.  PI Address 2: School of Kinesiology  PI Web Page:  City: Ann Arbor State: MI  Zip Code: 48109-2013 Congressional District: 12  Comments: Previously at Universities Space Research Association/NASA Johnson Space Center until July 2016.  Project Type: FLIGHT Solicitation / Funding 2013 IEIRO NN113ZSA002N-Crew Health Source: OMNIBUS  Start Date: 10.01/2014 End Date: 10.01/2016  No. of Post Does: No. of PhD Degrees:  No. of PhD Candidates: No. of Master' Degrees:  No. of Master's Candidates: No. of Master' Degrees:  No. of Master's Candidates: No. of Monitoring Center: NASA JSC  Contact Monitor: Norsk, Peter Contact Phone:  Contact Email: Peter norsk/@nasa.gov  Flight Assignment: NS  NOTE: Extended to 10/1/2016, from original end date of 9/30/2015, per PI (Ed., 7/14/15)  Key Personnel Changes/Previous PI:  COI Name (Institution): Peters, Brian Ph.D. (Wyle Laboratories, Inc.)  Peters, Brian Ph.D. (Wyle Laboratories, Inc.)  Peter, Brian Ph.D. (Wyle Laboratories, Inc.)  Peterormance Goal No:	Human Research Program Risks:	(1) Muscle: Risk of Impaired Performance Due to Reduced Muscle Size, Strength and Endurance		
Discipline: " Space Biology Special Category: None  PI Email: Internal Price	Space Biology Element:	None		
PI Email:   Iorips@amich.edu		None		
Pl Organization Type: UNIVERSITY Phone: (734) 764-5210 Organization Name: University of Michigan  Pl Address 1: OBL 4170, 1402 Washington Hts.  Pl Address 2: School of Kinesiology  Pl Web Page:  City: Ann Arbor State: MI  Zip Code: 48109-2013 Congressional District: 12 Comments: Previously at Universities Space Research Association/NASA Johnson Space Center until July 2016.  Project Type: FLIGHT Solicitation / Funding 2013 HERO NNJ132SA002N-Crew Health Source: OMNIBUS  Start Date: 10/01/2014 End Date: 10/01/2016  No. of Post Docs: 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: No. of Bachelor's Degrees: No. of Master's Candidates: No. of Master's Contact Phone: Contact Honitor: Norsk, Peter Contact Phone:  Contact Honitor: Peternorsk@nasa.sov  Flight Program: ISS  Postflight data from ISS NOTE: Extended to 10/1/2016, from original end date of 9/30/2015, per PI (Ed., 7/14/15)  Key Personnel Changes/Previous PI:  COI Name (Institution): Peters, Brian Ph.D. (Wyle Laboratories, Inc.) Hanson, Andrea Ph.D. (Wyle Laboratories, Inc.) Hanson, Andrea Ph.D. (Wyle Laboratories, Inc.) Peters, Brian Ph.D. (Wyle Laboratories, Inc.) Petersonance Goal No.:	Space Biology Special Category:	None		
Organization Name: University of Michigan  PI Address 1: OBL 4170, 1402 Washington Hts.  PI Address 2: School of Kinesiology  PI Web Page:  City: Ann Arbor State: MI  Zip Code: 48109-2013 Congressional District: 12  Comments: Previously at Universities Space Research Association/NASA Johnson Space Center until July 2016.  Project Type: FLIGHT Solicitation / Funding 2013 HERO NNJ13ZSA002N-Crew Health Source: OMNIBUS  Start Date: 10:01/2014 End Date: 10:01/2016  No. of Post Docs: No. of PhD Degrees:  No. of Master's Candidates: No. of Bachelor's Degrees:  No. of Master's Candidates: No. of Bachelor's Degrees:  No. of Bachelor's Contact Monitor: Norsk, Peter Contact Phone:  Contact Email: Peter norsk@nasa.gov  Flight Program: ISS  Flight Assignment: Postlight data from ISS  NOTE: Extended to 10/1/2016, from original end date of 9/30/2015, per PI (Ed., 7/14/15)  Key Personnel Changes/Previous PI:  COI Name (Institution): De Witt, John Ph.D. (Wyle Laboratories, Inc.)  Hanson, Andrea Ph.D. (Wyle Laboratories, Inc.)  Hanson, Andrea Ph.D. (Wyle Laboratories, Inc.)  Fleters, Brian Ph.D. (Wyle Laboratories, Inc.)  Grant/Contract No.: Internal Project	PI Email:	lorips@umich.edu	Fax:	FY
PI Address 1: OBL 4170, 1402 Washington Hts.  PI Address 2: School of Kinesiology  PI Web Page:  City: Ann Arbor State: MI  Zip Code: 48109-2013 Congressional District: 12  Comments: Previously at Universities Space Research Association/NASA Johnson Space Center until July 2016.  Project Type: FLIGHT Solicitation / Funding 2013 HERO NNJ13ZSA002N-Crew Health Source: OMNIBUS  Start Date: 10:001/2014 End Date: 10:001/2016  No. of Post Docs: No. of PhD Degrees: No. of PhD Candidates: No. of Master' Degrees: No. of Master's Candidates: No. of Master' Degrees: No. of Bachelor's Cendidates: No. of Bachelor's Degrees: No. of Bachelor's Candidates: Monitoring Center: NASA JSC  Contact Monitor: Norsk, Peter Contact Phone:  Contact Email: Peter norsk@nasa.gov  Flight Assignment: ISS  Flight Assignment: Dewitt, John Ph.D. (Wyle Laboratories, Inc.) Peters, Brian Ph.D. (Wyle Laboratories, Inc.) Peters, Brian Ph.D. (Wyle Laboratories, Inc.) Scott-Pandorf, Melissa Ph.D. (Wyle Laboratories, Inc.) Scott-Pandorf, Melissa Ph.D. (Wyle Laboratories, Inc.) Scott-Pandorf, Melissa Ph.D. (Wyle Laboratories, Inc.)	PI Organization Type:	UNIVERSITY	Phone:	(734) 764-5210
PI Address 2; School of Kinesiology  PI Web Page:  City: Ann Arbor State: MI  Zip Code: 48109-2013 Congressional District: 12  Comments: Previously at Universities Space Research Association/NASA Johnson Space Center until July 2016.  Project Type: FLIGHT Solicitation / Funding 2013 HERO NNJ13ZSA002N-Crew Health Source: OMNIBUS  Start Date: 10/01/2014 End Date: 10/01/2016  No. of PbD Candidates: No. of Master' 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: No. of Master' Degrees: No. of Bachelor's Degrees: No. of Master' Degrees: No. of Bachelor's Candidates: No. of Bachelor's Degrees: No. of Bachelor's Candidates: No. of Bachelor's Degrees: No. of Master' Degrees: No. of Bachelor's Candidates: No. of Bachelor's Degrees: No.	Organization Name:	University of Michigan		
PI Web Page:  City: Ann Arbor State: MI  Zip Code: 48109-2013 Congressional District: 12  Comments: Previously at Universities Space Research Association/NASA Johnson Space Center until July 2016.  Project Type: FLIGHT Solicitation / Funding 2013 HERO NNJ13ZSA002N-Crew Health Source: OMNIBUS  Start Date: 10/01/2014 End Date: 10/01/2016  No. of Post Does: No. of PhD Degrees: No. of PhD Candidates: 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: Monitoring Center: NASA JSC  Contact Monitor: Norsk, Peter Contact Phone:  Contact Email: Peter.norsk@nasa.gov  Flight Program: ISS  Postflight data from ISS  NOTE: Extended to 10/1/2016, from original end date of 9/30/2015, per PI (Ed., 7/14/15)  Key Personnel Changes/Previous PI:  COI Name (Institution): Peters, Brian Ph.D. (Wyle Laboratories, Inc.)  Pages, Brian Ph.D. (Wyle Laboratories, Inc.)  Scott-Pandorf, Melissa Ph.D. (Wyle Laboratories, Inc.)	PI Address 1:	OBL 4170, 1402 Washington Hts.		
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Zip Code: 48109-2013 Congressional District: 12  Comments: Previously at Universities Space Research Association/NASA Johnson Space Center until July 2016.  Project Type: FLIGHT Solicitation / Funding 2013 HERO NNJ13ZSA002N-Crew Health Source: OMNIBUS  Start Date: 10/01/2014 End Date: 10/01/2016  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 Master's Candidates: Monitoring Center: NASA JSC  Contact Monitor: Norsk, Peter Contact Phone:  Contact Email: Peter. norsk@nasa.gov  Flight Program: ISS  Flight Assignment: NOTE: Extended to 10/1/2016, from original end date of 9/30/2015, per PI (Ed., 7/14/15)  Key Personnel Changes/Previous PI:  COI Name (Institution): De Witt, John Ph.D. (Wyle Laboratories, Inc.) Hanson, Andrea Ph.D. (Wyle Laboratories, Inc.) Scott-Pandorf, Melissa Ph.D. (Wyle Laboratories, Inc.)  Scott-Pandorf, Melissa Ph.D. (Wyle Laboratories, Inc.)  Internal Project  Performance Goal No.:	PI Web Page:			
Comments: Previously at Universities Space Research Association/NASA Johnson Space Center until July 2016.  Project Type: FLIGHT Solicitation / Funding Source: OMNIBUS  Start Date: 10/01/2014 End Date: 10/01/2016  No. of Post Docs: No. of PhD Degrees: No. of PhD Degrees: No. of PhD Candidates: No. of Master' Degrees: No. of Bachelor's Degrees: No. of Bachelor's Candidates: Norsk, Peter Contact Phone: Contact Email: Peter.norsk@nasa.gov  Flight Program: ISS  Flight Assignment: ISS  Flight Assignment: NOTE: Extended to 10/1/2016, from original end date of 9/30/2015, per PI (Ed., 7/14/15)  Key Personnel Changes/Previous PI: COI Name (Institution): De Witt John Ph.D. (Wyle Laboratories, Inc.) Hanson, Andrea Ph.D. (Wyle Laboratories, Inc.) Peters, Brian Ph.D. (Wyle Laboratories, Inc.)  Grant/Contract No.: Internal Project  Performance Goal No.:	City:	Ann Arbor	State:	MI
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Start Date: 10/01/2014 End Date: 10/01/2016  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: Norsk, Peter Contact Phone:  Contact Monitor: Norsk, Peter Contact Phone:  Contact Email: Peter.norsk@nasa.gov  Flight Program: ISS  Flight Assignment: NOTE: Extended to 10/1/2016, from original end date of 9/30/2015, per PI (Ed., 7/14/15)  Key Personnel Changes/Previous PI:  COI Name (Institution): De Witt, John Ph.D. (Wyle Laboratories, Inc.) Peters, Brian Ph.D. (Wyle Laboratories, Inc.) Scott-Pandorf, Melissa Ph.D. (Wyle Laboratories, Inc.)  Grant/Contract No.: Internal Project  Performance Goal No.:	Comments:	Previously at Universities Space Resea	rch Association/NASA Johnson	Space Center until July 2016.
No. of Post Docs:  No. of PhD Degrees:  No. of Master' Degrees:  No. of Master's Candidates:  No. of Master's Candidates:  No. of Bachelor's Degrees:  No. of Bachelor's Candidates:  No. of Bachelor's Candidates:  No. of Bachelor's Candidates:  Norsk, Peter  Contact Phone:  Contact Email:  Peter.norsk@nasa.gov  Flight Program:  ISS  Postflight data from ISS  NOTE: Extended to 10/1/2016, from original end date of 9/30/2015, per PI (Ed., 7/14/15)  Key Personnel Changes/Previous PI:  COI Name (Institution):  De Witt, John Ph.D. (Wyle Laboratories, Inc.) Peters, Brian Ph.D. (Wyle Laboratories, Inc.) Scott-Pandorf, Melissa Ph.D. (Wyle Laboratories, Inc.) Internal Project  Performance Goal No.:	Project Type:	FLIGHT		
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:  No. of Bachelor's Candidates:  No. of Bachelor's Candidates:  No. of Bachelor's Degrees:  No. of Bachelor's Candidates:  Norsk, Peter  Contact Phone:  Contact Email:  Peter.norsk@nasa.gov  Flight Program:  ISS  Flight Assignment:  Postflight data from ISS  NOTE: Extended to 10/1/2016, from original end date of 9/30/2015, per PI (Ed., 7/14/15)  Key Personnel Changes/Previous PI:  COI Name (Institution):  De Witt, John Ph.D. (Wyle Laboratories, Inc.) Peters, Brian Ph.D. (Wyle Laboratories, Inc.) Peters, Brian Ph.D. (Wyle Laboratories, Inc.) Scott-Pandorf, Melissa Ph.D. (Wyle Laboratories, Inc.) Internal Project  Performance Goal No.:	Start Date:	10/01/2014	End Date:	10/01/2016
No. of Master's Candidates:  No. of Bachelor's Degrees:  No. of Bachelor's Candidates:  Monitoring Center: NASA JSC  Contact Monitor:  Norsk, Peter Contact Phone:  Contact Email:  Peter.norsk@nasa.gov  Flight Program:  ISS  Postflight data from ISS NOTE: Extended to 10/1/2016, from original end date of 9/30/2015, per PI (Ed., 7/14/15)  Key Personnel Changes/Previous PI:  COI Name (Institution):  De Witt, John Ph.D. (Wyle Laboratories, Inc.) Peters, Brian Ph.D. (Wyle Laboratories, Inc.) Scott-Pandorf, Melissa Ph.D. (Wyle Laboratories, Inc.) Grant/Contract No.:  Internal Project  Performance Goal No.:	No. of Post Docs:		No. of PhD Degrees:	
No. of Bachelor's Candidates:  Norsk, Peter  Contact Phone:  Contact Email:  Peter.norsk@nasa.gov  Flight Program:  ISS  Postflight data from ISS NOTE: Extended to 10/1/2016, from original end date of 9/30/2015, per PI (Ed., 7/14/15)  Key Personnel Changes/Previous PI:  COI Name (Institution):  De Witt, John Ph.D. (Wyle Laboratories, Inc.) Peters, Brian Ph.D. (Wyle Laboratories, Inc.) Scott-Pandorf, Melissa Ph.D. (Wyle Laboratories, Inc.) Scott-Pandorf, Melissa Ph.D. (Wyle Laboratories, Inc.) Peters, Brian Ph.D. (Wyle Laboratories, Inc.) Scott-Pandorf, Melissa Ph.D. (Wyle Laboratories, Inc.)	No. of PhD Candidates:		No. of Master' Degrees:	
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Contact Email:  Peter.norsk@nasa.gov  Flight Program:  ISS  Postflight data from ISS NOTE: Extended to 10/1/2016, from original end date of 9/30/2015, per PI (Ed., 7/14/15)  Key Personnel Changes/Previous PI:  COI Name (Institution):  De Witt, John Ph.D. (Wyle Laboratories, Inc.) Hanson, Andrea Ph.D. (Wyle Laboratories, Inc.) Peters, Brian Ph.D. (Wyle Laboratories, Inc.) Scott-Pandorf, Melissa Ph.D. (Wyle Laboratories, Inc.)  Grant/Contract No.:  Internal Project  Performance Goal No.:	No. of Bachelor's Candidates:		<b>Monitoring Center:</b>	NASA JSC
Flight Program:  ISS  Postflight data from ISS  NOTE: Extended to 10/1/2016, from original end date of 9/30/2015, per PI (Ed., 7/14/15)  Key Personnel Changes/Previous PI:  COI Name (Institution):  De Witt, John Ph.D. (Wyle Laboratories, Inc.) Hanson, Andrea Ph.D. (Wyle Laboratories, Inc.) Peters, Brian Ph.D. (Wyle Laboratories, Inc.) Scott-Pandorf, Melissa Ph.D. (Wyle Laboratories, Inc.) Internal Project  Performance Goal No.:	Contact Monitor:	Norsk, Peter	Contact Phone:	
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Flight Assignment:  NOTE: Extended to 10/1/2016, from original end date of 9/30/2015, per PI (Ed., 7/14/15)  Key Personnel Changes/Previous PI:  De Witt, John Ph.D. (Wyle Laboratories, Inc.) Hanson, Andrea Ph.D. (Wyle Laboratories, Inc.) Peters, Brian Ph.D. (Wyle Laboratories, Inc.) Scott-Pandorf, Melissa Ph.D. (Wyle Laboratories, Inc.)  Grant/Contract No.:  Internal Project  Performance Goal No.:	Flight Program:	ISS		
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COI Name (Institution):  Hanson, Andrea Ph.D. (Wyle Laboratories, Inc.) Peters, Brian Ph.D. (Wyle Laboratories, Inc.) Scott-Pandorf, Melissa Ph.D. (Wyle Laboratories, Inc.)  Grant/Contract No.:  Internal Project  Performance Goal No.:	Key Personnel Changes/Previous PI:			
Performance Goal No.:	COI Name (Institution):	Hanson, Andrea Ph.D. (Wyle Laboratories, Inc. ) Peters, Brian Ph.D. (Wyle Laboratories, Inc. ) Scott-Pandorf, Melissa Ph.D. (Wyle Laboratories, Inc. )		
	Grant/Contract No.:	Internal Project		
Performance Goal Text:	Performance Goal No.:			
	Performance Goal Text:			

Task Book Report Generated on: 03/29/2024

Task Description:

Crewmembers perform exercise programs during long-duration spaceflight to counter the detrimental effects of extended microgravity exposure. Training programs include treadmill, resistance, and cycle ergometer exercise. Exercise is performed daily by each crewmember, although volume, duration, and intensity differ across individuals. Comparison of pre- to post-flight testing measures indicates that bone, muscle, and metabolic health changes vary between individuals. In this retrospective analysis, we intend to obtain the pre- and post-flight MEDB5.2 outcome measures related to bone and muscle for all crewmembers that have completed missions on the International Space Station using ARED and T2 as their resistance and treadmill exercise devices. We intend to quantify the amount of axial loading experienced by an individual throughout their mission on ARED and T2. The results of this study will allow the identification of critical parameters that are related to exercise program success and allow for prescription optimization.

**Rationale for HRP Directed Research:** 

**Research Impact/Earth Benefits:** 

Task Progress: New project for FY2015.

Bibliography Type: Description: (Last Updated: 04/29/2023)