Fiscal Year:	FY 2006	**Task Last Updated:**	FY 02/23/2009
PI Name:	Wood, Scott J. Ph.D.		
Project Title:	(ZAG/Otolith) Ambiguous Tilt and Translation Motion Cues After Space Flight / Otolith assessment during postflight re-adaptation		
Division Name:	Human Research		
Program/Discipline:	HUMAN RESEARCH		
Program/Discipline--Element/Subdiscipline:	HUMAN RESEARCH--Biomedical countermeasures		
Joint Agency Name:		**TechPort:**	No
Human Research Program Elements:	(1) **HHC**:Human Health Countermeasures		
Human Research Program Risks:	(1) **Sensorimotor**:Risk of Altered Sensorimotor/Vestibular Function Impacting Critical Mission Tasks		
Space Biology Element:	None		
Space Biology Cross-Element Discipline:	None		
Space Biology Special Category:	None		
PI Email:	scott.j.wood@nasa.gov	**Fax:**	FY
PI Organization Type:	NASA CENTER	**Phone:**	(281) 483-6329
Organization Name:	NASA Johnson Space Center		
PI Address 1:	2101 NASA Parkway		
PI Address 2:	Mail code SD2		
PI Web Page:			
City:	Houston	**State:**	TX
Zip Code:	77058	**Congressional District:**	36
Comments:	NOTE: PI returned to NASA JSC in January 2017. PI was at Azusa Pacific University from August 2013 – January 2017; prior to August 2013, PI was at NASA JSC.		
Project Type:	Flight	**Solicitation / Funding Source:**	2004 Space Life Sciences 04-OBPR-01: ILSRA 2004
Start Date:	10/01/2005	**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:	Meck, J@n	**Contact Phone:**	281-244-5405
Contact Email:	janice.v.meck@nasa.gov		
Flight Program:	ISS		
Flight Assignment:	ISS		
Key Personnel Changes/Previous PI:	NOTE Gilles Clement is the ESA Principal Investigator; Scott Wood is the US Investigator (ESA CoI).		
COI Name (Institution):	Clement, Gilles (Centre National de la Recherche Scientifique, Toulouse, France) Rupert, A. (Naval Aviation Medical Research Laboratory) Harm, Deborah (NASA Johnson Space Center)		
Grant/Contract No.:	ILSRA-04-136 (ZAG), ILSRA-04-235 (Otolith)		
Performance Goal No.:			
Performance Goal Text:			

Task Description:	The Ambiguous Tilt and Translation Motion Cues After Space Flight (Zag) investigation will explore physiological mechanisms and operational implications of spatial disorientation and tilt-translation disturbances reported by crewmembers when making head movements during and following re-entry. Otolith Assessment During Postflight Re-adaptation (Otolith) will assess otolith (small bones of the inner ear) function before and after space flight to this evaluate otolith-ocular response (OOR) and the subjective visual vertical (SVV) to assess unilateral utricle function. Vestibular evoked myogenic potentials (VEMP) will be recorded in order to assess unilateral saccule function. Experiments sponsored by the European Space Agency; Gilles Clement is the ESA Principal Investigator. See also http://www.nasa.gov/ and http://www.nasa.gov/ These two experiments were combined.
Rationale for HRP Directed Research:	
Research Impact/Earth Benefits:	
Task Progress:	New project in FY2006. [Note that project just added to Task Book in February 2009 when received information from JSC.]
Bibliography Type:	Description: (Last Updated: 05/31/2024)