Contract ID:	80NSSC18K0113	Reference IDV:	-
Modification Number:	P00008	Transaction Number:	0
Award/IDV Type:	Grant For Research	Action Obligation (\$):	\$0.00
Date Signed:	Nov 30, 2021	Solicitation Date:	-
Contracting Agency ID:	8000	Contracting Agency:	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Contracting Office Name:	NASA SHARED SERVICES CENTER	PSC Type:	S
PSC:	AR21	PSC Description:	R&D- SPACE: SCIENCE/APPLICATIONS (BASIC RESEARCH)
NAICS:	-	NAICS Description:	-
Entity City:	LIVERMORE	Entity State:	CA
Entity ZIP Code:	945506010	Additional Reporting Code:	-
Additional Reporting Description:	-	Unique Entity ID:	PM52LCJH72T9
Ultimate Parent Unique Entity ID:	PM52LCJH72T9	Ultimate Parent Legal Business Name:	LAWRENCE LIVERMORE NATIONAL SECURITY LLC
Legal Business Name:	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	CAGE Code:	4K7L1
Contract ID:	80NSSC18K0113	Reference IDV:	-
Modification Number:	0	Transaction Number:	0
Award/IDV Type:	Grant For Research	Action Obligation (\$):	\$248,015.41
Date Signed:	Oct 20, 2017	Solicitation Date:	-
Contracting Agency ID:	8000	Contracting Agency:	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Contracting Office Name:	NASA SHARED SERVICES CENTER	PSC Type:	S
PSC:	AR21	PSC Description:	R&D- SPACE: SCIENCE/APPLICATIONS (BASIC RESEARCH)
NAICS:	-	NAICS Description:	-
Entity City:	LIVERMORE	Entity State:	CA
Entity ZIP Code:	945506010	Additional Reporting Code:	_
Additional Reporting Description:	-	Unique Entity ID:	PM52LCJH72T9
Ultimate Parent Unique Entity ID:	PM52LCJH72T9	Ultimate Parent Legal Business Name:	LAWRENCE LIVERMORE NATIONAL SECURITY LLC
Elicity ID:			

April 26, 2024 6:59 AM Page 1 of 4

Contract ID:	80NSSC18K0113	Reference IDV:	-
Modification Number:	P00009	Transaction Number:	0
Award/IDV Type:	Grant For Research	Action Obligation (\$):	-\$133.05
Date Signed:	Aug 10, 2022	Solicitation Date:	-
Contracting Agency ID:	8000	Contracting Agency:	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Contracting Office Name:	NASA SHARED SERVICES CENTER	PSC Type:	S
PSC:	AR21	PSC Description:	R&D- SPACE: SCIENCE/APPLICATIONS (BASIC RESEARCH)
NAICS:	-	NAICS Description:	-
Entity City:	LIVERMORE	Entity State:	CA
Entity ZIP Code:	945506010	Additional Reporting Code:	-
Additional Reporting Description:	-	Unique Entity ID:	PM52LCJH72T9
Ultimate Parent Unique Entity ID:	PM52LCJH72T9	Ultimate Parent Legal Business Name:	LAWRENCE LIVERMORE NATIONAL SECURITY LLC
Legal Business Name:	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	CAGE Code:	4K7L1
Contract ID:	80NSSC18K0113	Reference IDV:	-
Modification Number:	P00005	Transaction Number:	0
Award/IDV Type:	Grant For Research	Action Obligation (\$):	\$0.00
Date Signed:	Oct 24, 2019	Solicitation Date:	-
Contracting Agency ID:	8000	Contracting Agency:	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Contracting Office Name:	NASA SHARED SERVICES CENTER	PSC Type:	S
PSC:	AR21	PSC Description:	R&D- SPACE: SCIENCE/APPLICATIONS (BASIC RESEARCH)
NAICS:	-	NAICS Description:	_
Entity City:	LIVERMORE	Entity State:	CA
Entity ZIP Code:	945506010	Additional Reporting Code:	_
Additional Reporting Description:	-	Unique Entity ID:	PM52LCJH72T9
Ultimate Parent Unique Entity ID:	PM52LCJH72T9	Ultimate Parent Legal Business Name:	LAWRENCE LIVERMORE NATIONAL SECURITY LLC
Entity ID:			

April 26, 2024 6:59 AM Page 2 of 4

Contract ID:	80NSSC18K0113	Reference IDV:	-
Modification Number:	P00002	Transaction Number:	0
Award/IDV Type:	Grant For Research	Action Obligation (\$):	\$0.00
Date Signed:	Mar 9, 2018	Solicitation Date:	_
Contracting Agency ID:	8000	Contracting Agency:	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Contracting Office Name:	NASA SHARED SERVICES CENTER	PSC Type:	S
PSC:	AR21	PSC Description:	R&D- SPACE: SCIENCE/APPLICATIONS (BASIC RESEARCH)
NAICS:	_	NAICS Description:	_
Entity City:	LIVERMORE	Entity State:	CA
Entity ZIP Code:	945506010	Additional Reporting Code:	_
Additional Reporting Description:	-	Unique Entity ID:	PM52LCJH72T9
Ultimate Parent Unique Entity ID:	PM52LCJH72T9	Ultimate Parent Legal Business Name:	LAWRENCE LIVERMORE NATIONAL SECURITY LLC
Legal Business Name:	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	CAGE Code:	4K7L1
Contract ID:	80NSSC18K0113	Reference IDV:	-
Modification Number:	P00001	Transaction Number:	0
Award/IDV Type:	Grant For Research	Action Obligation (\$):	\$0.00
Date Signed:	Nov 8, 2017	Solicitation Date:	_
Contracting Agency ID:	8000	Contracting Agency:	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Contracting Office Name:	NASA SHARED SERVICES CENTER	PSC Type:	S
PSC:	AR21	PSC Description:	R&D- SPACE:
			SCIENCE/APPLICATIONS (BASIC RESEARCH)
NAICS:	-	NAICS Description:	
NAICS: Entity City:	- LIVERMORE	NAICS Description: Entity State:	(BASIC RESEARCH)
		<u>-</u>	(BASIC RESEARCH)
Entity City:	LIVERMORE	Entity State:	(BASIC RESEARCH) - CA
Entity City: Entity ZIP Code: Additional Reporting	LIVERMORE 945506010	Entity State: Additional Reporting Code:	(BASIC RESEARCH) - CA

April 26, 2024 6:59 AM Page 3 of 4

Contract ID:	80NSSC18K0113	Reference IDV:	-
Modification Number:	P00007	Transaction Number:	0
Award/IDV Type:	Grant For Research	Action Obligation (\$):	\$0.00
Date Signed:	Nov 10, 2020	Solicitation Date:	-
Contracting Agency ID:	8000	Contracting Agency:	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Contracting Office Name:	NASA SHARED SERVICES CENTER	PSC Type:	S
PSC:	AR21	PSC Description:	R&D- SPACE: SCIENCE/APPLICATIONS (BASIC RESEARCH)
NAICS:	-	NAICS Description:	-
Entity City:	LIVERMORE	Entity State:	CA
Entity ZIP Code:	945506010	Additional Reporting Code:	_
Additional Reporting Description:	-	Unique Entity ID:	PM52LCJH72T9
Ultimate Parent Unique Entity ID:	PM52LCJH72T9	Ultimate Parent Legal Business Name:	LAWRENCE LIVERMORE NATIONAL SECURITY LLC
Legal Business Name:	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	CAGE Code:	4K7L1
Contract ID:	80NSSC18K0113	Reference IDV:	-
Modification Number:	P00003	Transaction Number:	0
Award/IDV Type:	Grant For Research	Action Obligation (\$):	\$150,091.00
Date Signed:	Apr 4, 2018	Solicitation Date:	_
Contracting Agency ID:	8000	Contracting Agency:	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Contracting Office Name:	NASA SHARED SERVICES CENTER	PSC Type:	S
PSC:	AR21	PSC Description:	R&D- SPACE: SCIENCE/APPLICATIONS (BASIC RESEARCH)
NAICS:	-	NAICS Description:	-
Entity City:	LIVERMORE	Entity State:	CA
Entity ZIP Code:	945506010	Additional Reporting Code:	_
Additional Reporting Description:	-	Unique Entity ID:	PM52LCJH72T9
Ultimate Parent Unique Entity ID:	PM52LCJH72T9	Ultimate Parent Legal Business Name:	LAWRENCE LIVERMORE NATIONAL SECURITY LLC

April 26, 2024 6:59 AM Page 4 of 4