

Active Space Act Agreements (as of March 31, 2024) with U.S. Non-Federal Partners

ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
1	40046	Sensuron, LLC	Sensuron SAA	2/7/2024	2/7/2025	Non-Reimbursable	\$120,000	AFRC	
2	39883	Stratolaunch, LLC	Annex for 747 Aircraft Avionics Support	11/7/2023	11/7/2024	Reimbursable	----	AFRC	
3	39445	Varda Space Industries	Conformal Pica (C-Pica) Tech Transfer and Commercial Production	7/20/2023	7/20/2028	Funded	\$1,900,000	AFRC	
4	39325	Psionic, LLC	Annex to Space Technology Commercialization for Measurement and Materials Applications	9/25/2023	9/25/2026	Reimbursable	----	AFRC	SAA1-35776
5	38559	California Polytechnic State University	Annex to CPSLO   NASA AFRC Collaboration	6/13/2023	6/13/2024	Non-Reimbursable	\$40,972	AFRC	
6	38213	Zero-Gravity Corporation	Zero Gravity Use of Subject Matter Experts and Onsite Invitees	11/17/2023	11/17/2028	Non-Reimbursable	\$19,946	AFRC	
7	37799	University of South Florida USF, Institute of Applied Engineering, Inc USF-IAE	Access to Space-Like Environments to Facilitate Technology Maturation Under the Flight Opportunities Program TechLeap Prize	3/27/2023	12/31/2024	Non-Reimbursable	\$692,120	AFRC	

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8	37798	Falcon Exodynamics, Inc	Access to Space-Like Environments to Facilitate Technology Maturation Under the Flight Opportunities Program TechLeap Prize	2/21/2023	12/31/2024	Non-Reimbursable	\$692,120	AFRC	
9	37770	Bronco Space Club Research Lab ICON - Cal Poly Pomona	Access to Space-Like Environments to Facilitate Technology Maturation Under the Flight Opportunities Program TechLeap Prize	3/27/2023	12/31/2024	Non-Reimbursable	\$692,120	AFRC	
10	37338	Saint Mary's College of California	Obstacle Detection for Autonomous UAS Collaboration	12/7/2022	12/7/2025	Non-Reimbursable	\$9,427	AFRC	
11	37337	Saint Mary's College of California	NASA Saint Mary's T2X Collaboration	12/7/2022	12/7/2025	Non-Reimbursable	\$0	AFRC	
12	36917	Supernal, LLC	Annex to Participation in the NASA Advanced Air Mobility National Campaign	5/25/2022	5/25/2027	Non-Reimbursable	\$516,544	AFRC	
13	36916	Supernal, LLC	Participation in the NASA Advanced Air Mobility National Campaign	5/25/2022	5/25/2027	Non-Reimbursable	\$0	AFRC	
14	36785	The Boeing Company	Sustainable Flight Demonstrator Development and Flight Test	1/13/2023	1/13/2030	Funded	\$607,366,596	AFRC	

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15	36582	Overair, Inc	Annex to For Advanced Air Mobility Technology Research And Demonstration Activities	5/25/2022	5/27/2027	Non-Reimbursable	\$516,544	AFRC	
16	36581	Overair, Inc	For Advanced Air Mobility Technology Research And Demonstration Activities	5/25/2022	5/25/2027	Non-Reimbursable	\$0	AFRC	
17	36580	Ellis & Associates	Annex to For Advanced Air Mobility Technology Research and Demonstration Activities	5/25/2022	5/25/2027	Non-Reimbursable	\$516,544	AFRC	
18	36579	Ellis & Associates	For Advanced Air Mobility Technology Research and Demonstration Activities	5/25/2022	5/25/2027	Non-Reimbursable	\$0	AFRC	
19	36578	Electra Aero, Inc	Annex to For Advanced Air Mobility Technology Research and Demonstration Activities	5/25/2022	5/25/2027	Non-Reimbursable	\$516,544	AFRC	
20	36577	Electra Aero, Inc	For Advanced Air Mobility Technology Research and Demonstration Activities	5/25/2022	5/25/2027	Non-Reimbursable	\$0	AFRC	
21	36575	California Polytechnic State University	CPSLO   NASA AFRC Collaboration	12/5/2022	12/5/2025	Non-Reimbursable	\$0	AFRC	

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22	35005	Unmanned Experts Inc	Annex to Advanced Air Mobility Technology Research Demonstration Activities - Airspace	7/6/2021	7/6/2026	Non-Reimbursable	\$678,932	AFRC	
23	35004	Unmanned Experts Inc	Advanced Air Mobility Technology Research Demonstration Activities	7/8/2021	7/8/2026	Non-Reimbursable	\$0	AFRC	
24	35003	Joby Aviation, Inc	Annex to Participate in the NASA UAM Grand Challenge	7/8/2021	7/8/2026	Non-Reimbursable	\$592,104	AFRC	
25	35001	Raytheon Company	Annex to Advanced Air Mobility Technology Research and Demonstration Activities - Infrastructure	7/6/2021	7/6/2026	Non-Reimbursable	\$678,932	AFRC	
26	35000	Raytheon Company	Annex to Advanced Air Mobility Technology Research and Demonstration Activities - Infrastructure	7/6/2021	7/6/2026	Non-Reimbursable	\$678,932	AFRC	
27	34999	Raytheon Company	Advanced Air Mobility Technology Research and Demonstration Activities	7/6/2021	7/6/2026	Non-Reimbursable	\$0	AFRC	
28	34998	Robust Analytics	Annex to Advanced Air Mobility Technology Research and Demonstration Activities - Infrastructure	7/6/2021	7/6/2026	Non-Reimbursable	\$678,932	AFRC	

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29	34997	Robust Analytics	Advanced Air Mobility Technology Research and Demonstration Activities	7/6/2021	7/6/2026	Non-Reimbursable	\$0	AFRC	
30	34996	AURA Network Systems	Annex to Advanced Air Mobility Technology Research and Demonstration Activities	7/6/2021	7/6/2026	Non-Reimbursable	\$678,932	AFRC	
31	34995	AURA Network Systems	Advanced Air Mobility Technology Research and Demonstration Activities	7/6/2021	7/6/2026	Non-Reimbursable	\$0	AFRC	
32	34994	University of North Texas	Annex to Advanced Air Mobility Technology Research and Demonstration Activities - Infrastructure	7/6/2021	7/6/2026	Non-Reimbursable	\$678,932	AFRC	
33	34993	University of North Texas	Advanced Air Mobility Technology Research and Demonstration Activities	7/6/2021	7/6/2026	Non-Reimbursable	\$0	AFRC	
34	34991	ARINC Incorporated	Annex to Participation in the NASA UAM Grand Challenge Airspace	7/6/2021	7/6/2026	Non-Reimbursable	\$678,932	AFRC	
35	34990	SkyGrid, LLC	Annex to Advanced Air Mobility Technology Research and Demonstration Activities - Infrastructure	7/6/2021	7/6/2026	Non-Reimbursable	\$678,932	AFRC	

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36	34989	SkyGrid, LLC	Annex to Advanced Air Mobility Technology Research and Demonstration Activities - Airspace	7/6/2021	7/6/2026	Non-Reimbursable	\$678,932	AFRC	
37	34988	SkyGrid, LLC	Advanced Air Mobility Technology Research and Demonstration Activities	7/6/2021	7/6/2026	Non-Reimbursable	\$0	AFRC	
38	34987	OneSky Systems Inc	Annex to Advanced Air Mobility Technology Research and Demonstration Activities - Airspace	7/6/2021	7/6/2026	Non-Reimbursable	\$678,932	AFRC	
39	34986	OneSky Systems Inc	Advanced Air Mobility Technology Research and Demonstration Activities	7/6/2021	7/6/2026	Non-Reimbursable	\$0	AFRC	
40	34985	Metron Aviation, Inc	Annex to Advanced Air Mobility Technology Research and Demonstration Activities	7/6/2021	7/6/2026	Non-Reimbursable	\$678,932	AFRC	
41	34984	Metron Aviation, Inc	Advanced Air Mobility Technology Research and Demonstration Activities	7/6/2021	7/6/2026	Non-Reimbursable	\$0	AFRC	
42	34983	Avision, INC	Annex to Advanced Air Mobility Technology Research and Demonstration Activities	7/6/2021	7/6/2026	Non-Reimbursable	\$678,932	AFRC	

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43	34982	Avision, Inc	Advanced Air Mobility Technology Research and Demonstration Activities	7/6/2021	7/6/2026	Non-Reimbursable	\$0	AFRC	
44	34981	ANRA Technologies, LLC	Annex to Advanced Air Mobility Technology Research and Demonstration Activities - Airspace	7/6/2021	7/6/2026	Non-Reimbursable	\$678,932	AFRC	
45	34980	ANRA Technologies, LLC	Advanced Air Mobility Technology Research and Demonstration Activities	7/6/2021	7/6/2026	Non-Reimbursable	\$0	AFRC	
46	34979	Wisk Aero, LLC	Annex to Participation in the NASA AAM National Campaign - Flight Annex	7/6/2021	7/6/2026	Non-Reimbursable	\$592,104	AFRC	
47	34978	Reliable Robotics Corporation	Annex to Advanced Air Mobility Technology Research and Demonstration Activities - Flight Annex	7/6/2021	7/6/2026	Non-Reimbursable	\$592,104	AFRC	
48	34977	Reliable Robotics Corporation	Advanced Air Mobility Technology Research and Demonstration Activities	7/6/2021	7/6/2026	Non-Reimbursable	\$0	AFRC	
49	34443	Alaka'i Technologies Corporation	Annex to Participation in the NASA AAM National Campaign	10/2/2020	10/2/2025	Non-Reimbursable	\$592,104	AFRC	

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50	34442	Alaka'i Technologies Corporation	Participation in the NASA AAM National Campaign	10/2/2020	10/2/2025	Non-Reimbursable	\$0	AFRC	
51	34439	Wisk Aero, LLC	AAM National Campaign - 1 Vehicle Provider Information Exchange Annex	10/22/2020	10/22/2025	Non-Reimbursable	\$592,104	AFRC	
52	34436	Wisk Aero, LLC	Participation in the NASA AAM National Campaign	10/22/2020	10/22/2025	Non-Reimbursable	\$0	AFRC	
53	33843	University Enterprises Corporation at California State University San Bernardino	Non-Reimbursable Space Act Agreement For Collaborative Opportunities for Technology Development	3/1/2022	3/1/2027	Non-Reimbursable	\$0	AFRC	
54	33089	Bell Textron, Inc	Annex to Hybrid-Electric System Integration, Development and Testing Activities	1/15/2020	8/8/2024	Non-Reimbursable	\$592,104	AFRC	
55	33088	The Boeing Company	Grand Challenge Vehicle Provider Information Exchange Annex	2/28/2020	2/28/2025	Non-Reimbursable	\$592,104	AFRC	
56	33087	The Boeing Company	Participation in the NASA UAM Grand Challenge	2/28/2020	2/28/2025	Non-Reimbursable	\$0	AFRC	



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57	33085	Zeva, Inc (dba Zeva Aero)	Grand Challenge Vehicle Provider Information Exchange Annex	2/3/2020	2/3/2025	Non-Reimbursable	\$592,104	AFRC	
58	33084	Zeva, Inc (dba Zeva Aero)	Participation in the NASA UAM Grand Challenge	2/3/2020	2/3/2025	Non-Reimbursable	\$0	AFRC	
59	33081	The University of North Texas	Grand Challenge - Development Test Airspace Annex	2/3/2020	2/3/2025	Non-Reimbursable	\$678,932	AFRC	
60	33080	The University of North Texas	Participation in the NASA UAM Grand Challenge	2/3/2020	2/3/2025	Non-Reimbursable	\$0	AFRC	
61	33079	Uber Technologies, Inc	Grand Challenge - Development Test Airspace Annex	2/3/2020	2/3/2025	Non-Reimbursable	\$678,932	AFRC	
62	33078	Uber Technologies, Inc	Participation in the NASA UAM Grand Challenge	2/3/2020	2/3/2025	Non-Reimbursable	\$0	AFRC	
63	33076	Prodentify, LLC	Grand Challenge Vehicle Provider Information Exchange Annex	2/3/2020	2/3/2025	Non-Reimbursable	\$592,104	AFRC	

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64	33075	Prodentify, LLC	Participation in the NASA UAM Grand Challenge	2/3/2020	2/3/2025	Non-Reimbursable	\$0	AFRC	
65	33073	OneSky Systems Inc	Grand Challenge - Development Test Airspace Annex	2/3/2020	2/3/2025	Non-Reimbursable	\$678,932	AFRC	
66	33072	OneSky Systems Inc	Participation in the NASA UAM Grand Challenge	2/3/2020	2/3/2025	Non-Reimbursable	\$0	AFRC	
67	33065	NFT, Inc	Grand Challenge Vehicle Provider Information Exchange Annex	2/3/2020	2/3/2025	Non-Reimbursable	\$592,104	AFRC	
68	33064	NFT, Inc	Participation in the NASA UAM Grand Challenge	2/3/2020	2/3/2025	Non-Reimbursable	\$0	AFRC	
69	33063	Metron Aviation, Inc	Grand Challenge - Development Test Airspace Annex	2/3/2020	2/3/2025	Non-Reimbursable	\$678,932	AFRC	
70	33062	Metron Aviation, Inc	Participation in the NASA UAM Grand Challenge	2/3/2020	2/3/2025	Non-Reimbursable	\$0	AFRC	

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71	33059	GeoRq LLC	Grand Challenge - Development Test Airspace Annex	2/3/2020	2/3/2025	Non-Reimbursable	\$678,932	AFRC	
72	33058	GeoRq LLC	Participation in the NASA UAM Grand Challenge	2/3/2020	2/3/2025	Non-Reimbursable	\$0	AFRC	
73	33057	Ellis & Associates	Grand Challenge - Development Test Airspace Annex	2/3/2020	2/3/2025	Non-Reimbursable	\$678,932	AFRC	
74	33056	Ellis & Associates	Participation in the NASA UAM Grand Challenge	2/3/2020	2/3/2025	Non-Reimbursable	\$0	AFRC	
75	33055	Avision, Inc	Grand Challenge - Development Test Airspace Annex	2/3/2020	2/3/2025	Non-Reimbursable	\$678,932	AFRC	
76	33054	Avision, Inc	Participation in the NASA UAM Grand Challenge	2/3/2020	2/3/2025	Non-Reimbursable	\$0	AFRC	
77	33039	ARINC Incorporated	Grand Challenge - Development Test Airspace Annex	2/3/2020	2/3/2025	Non-Reimbursable	\$678,932	AFRC	

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78	33038	ARINC Incorporated	Participation in the NASA UAM Grand Challenge	2/3/2020	2/3/2025	Non-Reimbursable	\$0	AFRC	
79	33037	ANRA Technologies, LLC	Grand Challenge - Development Test Airspace Annex	2/3/2020	2/3/2025	Non-Reimbursable	\$678,932	AFRC	
80	33036	ANRA Technologies, LLC	Participation in the NASA UAM Grand Challenge	2/3/2020	2/3/2025	Non-Reimbursable	\$0	AFRC	
81	33035	AiRXOS, Inc	Grand Challenge - Development Test Airspace Annex	3/2/2020	3/2/2025	Non-Reimbursable	\$678,932	AFRC	
82	33034	AiRXOS, Inc	Participation in the NASA UAM Grand Challenge	3/2/2020	3/2/2025	Non-Reimbursable	\$0	AFRC	
83	33033	Airmap, Inc	Participation in the NASA UAM Grand Challenge - Development Test Airspace Annex	2/3/2020	2/3/2025	Non-Reimbursable	\$678,932	AFRC	
84	33032	Airmap, Inc	Participation in the NASA UAM Grand Challenge	2/3/2020	2/3/2025	Non-Reimbursable	\$0	AFRC	

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85	33031	Joby Aviation, Inc	Grand Challenge - Development Test Flight Annex	2/19/2020	2/19/2025	Non-Reimbursable	\$592,104	AFRC	
86	33030	Joby Aviation, Inc	Participation in the NASA UAM Grand Challenge	2/19/2020	2/19/2025	Non-Reimbursable	\$0	AFRC	
87	32757	AeroVironment, Inc.	Small Unmanned Aircraft System (SUAS) Testing and Training	11/10/2020	11/10/2025	Reimbursable	-----	AFRC	
88	32339	Fenix Space, Inc.	Supporting Development of a Tow-glider Launch Platform through Aerodynamic Store Separation Analysis, Range Safety Studies, and Con-Ops Development	5/27/2020	5/27/2025	Reimbursable	-----	AFRC	
89	32338	Fenix Space, Inc.	Development of Tow-glider Launch Platform	5/27/2020	5/27/2025	Reimbursable	-----	AFRC	
90	32161	Learjet, Inc	Business Jet Flight Test Support	5/17/2021	5/17/2026	Reimbursable	-----	AFRC	
91	31694	Stratolaunch, LLC	To Support Flight Operations of the Stratolaunch Carrier Aircraft	2/13/2020	2/13/2025	Reimbursable	-----	AFRC	

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92	31693	Stratolaunch, LLC	To Support Flight Operations of the Stratolaunch Carrier Aircraft	2/13/2020	2/13/2025	Reimbursable	-----	AFRC	
93	26974	Bell Textron, Inc	Hybrid-Electric System Integration, Development and Testing Activities	8/8/2019	8/8/2024	Non-Reimbursable	\$0	AFRC	
94	40233	Boston Consulting Group	Nonreimbursable Space Act Agreement between NASA ARC and Boston Consulting Group (BCG) to Explore the Short and Long-Term Benefits of New Generative Artificial Intelligence (GenAI) Technologies	3/20/2024	3/19/2027	Non-Reimbursable	\$118,932	ARC	SAA2-403800
95	40169	Lawrence Livermore National Security, LLC	Annex Four under the Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Lawrence Livermore National Security, LLC for Aerospace Research and Testing Activities	3/14/2024	3/13/2025	Reimbursable	-----	ARC	SAA2-403582
96	39841	Lockheed Martin	Annex Four to the Reimbursable Space Act Umbrella Agreement between NASA LaRC and Lockheed Martin Corporation for Wind Tunnel Testing	1/25/2024	1/24/2025	Reimbursable	-----	ARC	SAA2-403795-4
97	39747	RMV Technology Group, LLC	Annex One to Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and RMV Technology for Demand Services	9/29/2023	6/28/2024	Reimbursable	-----	ARC	SAA2-403790-1
98	39746	RMV Technology Group, LLC	Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and RMV Technology for Demand Services	9/29/2023	9/28/2024	Reimbursable	-----	ARC	SAA2-403790

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99	39720	VASPER SYSTEMS CALIFORNIA, LLC	Annex One to Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Vasper, LLC for Vasper Utilities	9/29/2023	6/28/2024	Reimbursable	----	ARC	SAA2-403788-1
100	39719	VASPER SYSTEMS CALIFORNIA, LLC	Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Vasper, LLC for Vasper Utilities	9/29/2023	9/28/2024	Reimbursable	----	ARC	SAA2-403788
101	39707	Bloom Energy Corporation	Annex One to Reimbursable Umbrella Space Act Agreement between NASA ARC and Bloom Energy for Demand Services	10/20/2023	1/19/2025	Reimbursable	----	ARC	SAA2-403766-1
102	39706	Bloom Energy Corporation	Reimbursable Umbrella Space Act Agreement and Annex One between NASA ARC and Bloom Energy for Demand Services	10/20/2023	1/19/2025	Reimbursable	----	ARC	SAA2-403766
103	39529	Leland Stanford Junior University	Annex Two to Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Leland Stanford Junior University for Large Scale Circuit Simulators for Quantum Biology Applications	2/12/2024	2/11/2025	Reimbursable	----	ARC	SAA2-403497-2
104	39333	Delphire, Inc.	Non-Reimbursable Space Act Agreement between NASA Ames Research Center and Delphire, Inc to Analyze and Collaborate on Wildfire Management Technology	9/26/2023	9/25/2025	Non-Reimbursable	\$46,825	ARC	SAA2-403775
105	39063	Martina Dimoska	Annex One under Non-Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Martina Dimoska for Space Apps Challenge	9/5/2023	9/4/2024	Non-Reimbursable	\$30,687	ARC	SAA2-403770-1

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106	39062	Martina Dimoska	Non-Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Martina Dimoska for Space Apps Challenge	9/5/2023	9/4/2028	Non-Reimbursable	\$0	ARC	SAA2-403770
107	39049	Rocket Lab USA	Non-Reimbursable Space Act Agreement between NASA Ames Research Center and Rocket Lab USA for Space Science, Earth Science, and Engineering Research	6/20/2023	8/19/2027	Non-Reimbursable	\$458,758	ARC	SAA2-403750
108	38963	The Boeing Company	Annex Five to Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and the Boeing Company for Wind Tunnel Testing	7/10/2023	7/9/2024	Reimbursable	-----	ARC	SAA2-403460-5
109	38952	REGENTS OF THE UNIVERSITY OF MINNESOTA	Reimbursable Space Act Agreement between NASA ARC and Regents of the University of Minnesota for Re-Entry Flight System	8/14/2023	5/13/2024	Reimbursable	-----	ARC	SAA2-403617
110	38728	Relativity Space, Inc.	Annex One under Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Relativity Space for Support of Re-Entry Capsule	8/16/2023	8/15/2026	Reimbursable	-----	ARC	SAA2-403760-1
111	38726	Relativity Space, Inc.	Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Relativity Space for Support of Re-Entry Capsule	8/16/2023	8/15/2028	Reimbursable	-----	ARC	SAA2-403760
112	38721	Lunar Resources, Inc.	Non-Reimbursable Space Act Agreement between NASA Ames Research Center and Lunar Resources, Inc. for In-Situ Resource Utilization (ISRU) Processing of Automated Reconfigurable Mission Adaptive Digital Assembly Systems (ARMADAS) Structural Parts	6/23/2023	12/22/2024	Non-Reimbursable	\$81,467	ARC	SAA2-403759



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ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
113	38661	SKYCORP, INC	Reimbursable Space Act Agreement between NASA Ames Research Center and Skycorp, Inc. for Testing Support at the Engineering Evaluation Laboratory	5/2/2023	9/30/2024	Reimbursable	-----	ARC	SAA2-403752
114	38577	AeroVironment, Inc.	Non-Reimbursable Space Act Agreement between NASA ARC and AeroVironment, Inc. for Collaborative Evaluation of Prototype NASA Research Upper Class E Traffic Management (ETM) System	12/6/2023	12/5/2028	Non-Reimbursable	\$1,143,525	ARC	SAA2-403751
115	38410	SOUTHWEST AIRLINES COMPANY	Non-Reimbursable Space Act Agreement between NASA Ames Research Center and Southwest Airlines for Digital Information Platform (DIP) Flight Operators Partnerships	3/21/2023	3/20/2028	Non-Reimbursable	\$2,502,449	ARC	SAA2-403745
116	38397	The Boeing Company	Annex Four under Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and The Boeing Company for Wind Tunnel Testing	7/7/2023	7/6/2024	Reimbursable	-----	ARC	SAA2-403460-4
117	38344	NISSAN NORTH AMERICA, INC	Annex Three to the Reimbursable Space Act Umbrella Agreement with Nissan North America, Inc for Development and Validation of Open-Source Software Tools for Material Informatics	8/11/2023	6/10/2025	Reimbursable	-----	ARC	SAA2-403545-3
118	38277	JOBY AVIATION, INC	Annex Two to Non-Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Joby Aviation for High-Rate Composite Component Manufacturing	7/5/2023	7/4/2025	Non-Reimbursable	\$1,361,650	ARC	SAA2-403660
119	38192	AMERICAN AIRLINES, INC	Non-Reimbursable Space Act Agreement between NASA Ames Research Center and American Airlines for Digital Information Platform (DIP) Flight Operators Partnership	1/31/2023	1/30/2028	Non-Reimbursable	\$2,502,449	ARC	SAA2-403741

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ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
120	37980	Delta Air Lines	Non-Reimbursable Space Act Agreement between NASA Ames Research Center and Delta Airlines for Digital Information Platform (DIP) Flight Operators Partnership	1/6/2023	1/5/2028	Non-Reimbursable	\$2,502,449	ARC	SAA2-403736
121	37979	JetBlue Airways	Non-Reimbursable Space Act Agreement between NASA Ames Research Center and JetBlue Airlines for Digital Information Platform Flight Operators Partnership	1/4/2023	1/3/2028	Non-Reimbursable	\$2,502,449	ARC	SAA2-403734
122	37934	Lockheed Martin Corporation	Reimbursable Space Act Agreement between NASA Ames Research Center and Lockheed Martin Corporation for SLA-561V Re-Qualification Testing at the NASA Ames Interaction Heating Facility (IHF)	12/14/2023	12/13/2024	Reimbursable	-----	ARC	SAA2-403733
123	37812	ATA Engineering	Reimbursable Space Act Agreement between NASA Ames Research Center and ATA Engineering for Validation of a Fluid-Structure Material Interaction (FSMI) Modeling and Simulation Toolset at the NASA Ames Interaction Heating Facility (IHF)	6/28/2023	6/27/2024	Reimbursable	-----	ARC	SAA2-403729
124	37746	Ventura Prototypes	Reimbursable Space Act Agreement between NASA Ames Research Center and Ventura Prototypes for Evaluation of Sensor for Use in Flu Detection	11/16/2022	11/15/2024	Reimbursable	-----	ARC	SAA2-403728
125	37710	Aerostar International LLC	Non-Reimbursable Space Act Agreement between NASA Ames Research Center and Aerostar International, LLC for Collaborative Evaluation of Prototype NASA Research Upper Class E Traffic Management (ETM) System	4/18/2023	4/17/2028	Non-Reimbursable	\$1,242,127	ARC	SAA2-403727
126	37697	University of Georgia	Non-Reimbursable Space Act Agreement between NASA Ames Research Center and University of Georgia for Robust 3D Modeling via Neural Radiance Fields	2/15/2023	8/14/2024	Non-Reimbursable	\$122,644	ARC	SAA2-403726

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127	37684	Impulse Space	Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Impulse Space for Support of Re-Entry Capsule	11/16/2022	11/15/2027	Reimbursable	-----	ARC	SAA2-403725
128	37669	Northrop Grumman Corporation	Annex Five to the Reimbursable Space Act Umbrella Agreement between NASA Ames Research Center and Northrop Grumman Corporation for Wind Tunnel Testing	11/30/2022	11/29/2024	Reimbursable	-----	ARC	SAA2-403514-5
129	37637	Blue Origin, LLC	Annex Nine to Reimbursable Umbrella Space Act Agreement Between the National Aeronautics and Space Administration Ames Research Center and Blue Origin, LLC to Support Blue Origin Commercial Space Transportation Development	10/11/2022	6/13/2024	Reimbursable	-----	ARC	SAA2-403403-9
130	37602	Aeva, Inc	Non-Reimbursable Space Act Agreement between NASA Ames Research Center and Aeva, Inc for Frequency Modulated Continuous Wave LiDAR Testing and Evaluation	4/27/2023	4/26/2024	Non-Reimbursable	\$7,213	ARC	SAA2-403724
131	37415	Joby Aero, Inc	Annex One under Non-Reimbursable Space Act Umbrella Agreement between NASA Ames Research Center and Joby Aero, Inc for Research, Development, Testing, and Evaluation of an Urban Air Mobility (UAM) System	12/20/2022	12/19/2027	Non-Reimbursable	\$322,807	ARC	SAA2-403721-1
132	37414	Joby Aero, Inc	Non-Reimbursable Space Act Umbrella Agreement between NASA Ames Research Center and Joby Aero, Inc for Research, Development, Testing, and Evaluation of an Urban Air Mobility (UAM) System	12/20/2022	12/19/2027	Non-Reimbursable	\$0	ARC	SAA2-403721
133	37381	Agscent USA	Reimbursable Space Act Agreement between NASA Ames Research Center and Agscent USA for Transfer of Know How and Optimization of Sensors for the Purpose of Commercializing Nanosensor Array for Livestock Diagnostics	10/20/2022	6/30/2024	Reimbursable	-----	ARC	SAA2-403720

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134	37314	Xwing, Inc.	Annex One under Non-Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Xwing, Inc for Developing Processes and Procedures that Safely Enable Increasingly-Autonomous Aviation in the National Airspace	9/27/2022	9/26/2025	Non-Reimbursable	\$1,078,213	ARC	SAA2-403718-1
135	37306	Xwing, Inc.	Non-Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Xwing, Inc for Developing Processes and Procedures that Safely Enable Increasingly-Autonomous Aviation in the National Airspace	9/27/2022	9/26/2027	Non-Reimbursable	\$0	ARC	SAA2-403718
136	37253	Autonomy Association International, Inc	Non-Reimbursable Space Act Umbrella Agreement between NASA Ames Research Center and Autonomy Association International for Collaborative Research in the Application of NASA Aeronautics Technologies, Facilities, and Services	9/7/2022	9/6/2027	Non-Reimbursable	\$0	ARC	SAA2-403715
137	37252	Raytheon Defense Systems	Reimbursable Space Act Agreement between NASA Ames Research Center and Raytheon Defense Systems for Enhanced Heating Sample Testing at the NASA Ames Interaction Heating Facility (IHF) Laser Enhanced Arc Jet Facility (LEAF)	7/14/2023	7/13/2025	Reimbursable	-----	ARC	SAA2-403714
138	37080	Rigetti Computing	Non-Reimbursable Space Act Agreement between NASA Ames Research Center and Rigetti Computing for Assess a Gate-Based Quantum Computing Processor for Meeting Complex Computing Challenges	2/8/2023	2/7/2028	Non-Reimbursable	\$46,464	ARC	SAA2-403707
139	37027	Google, LLC	Reimbursable Space Act Agreement between NASA Ames Research Center and Google, LLC for Calibration and Noise Characterization Approaches for Quantum Hardware	2/24/2023	2/23/2026	Reimbursable	-----	ARC	SAA2-403706
140	36817	UNITED AIRLINES	Annex One under NonReimbursable Space Act Umbrella Agreement between NASA Ames Research Center and United Airlines for Collaborative Research to Improve Aviation Safety	4/24/2023	4/23/2028	Non-Reimbursable	\$855,519	ARC	SAA2-403698-1

Active Space Act Agreements (as of March 31, 2024) with U.S. Non-Federal Partners

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141	36816	UNITED AIRLINES	NonReimbursable Space Act Umbrella Agreement between NASA Ames Research Center and United Airlines for Collaborative Research to Improve Aviation Safety	4/24/2023	4/23/2028	Non-Reimbursable	\$0	ARC	SAA2-403698
142	36780	In Orbit Aerospace	Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and In Orbit Aerospace for Support of a Re-Entry Capsule	6/21/2022	6/20/2027	Reimbursable	----	ARC	SAA2-403697
143	36607	Ohio Department of Transportation	Annex Three under NonReimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Ohio Department of Transportation for Advanced Air Mobility Technology Research and Demonstration Activities	6/14/2022	3/31/2025	Non-Reimbursable	\$418,707	ARC	SAA2-403693-3
144	36573	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	Non-Reimbursable Space Act Agreement between NASA Ames Research Center and Lawrence Livermore National Security, LLC for Small Satellite Pathfinder Technology Demonstrator Monolithic Optics Payload	7/13/2022	7/12/2025	Non-Reimbursable	\$2,160,128	ARC	SAA2-403692
145	36552	Zipline	Non-Reimbursable Space Act Agreement between NASA Ames Research Center and Zipline for Operation of Autonomous Fleets in US Airspace	6/27/2022	6/26/2024	Non-Reimbursable	\$1,301,427	ARC	SAA2-403691
146	36263	Ohio Department of Transportation	Non-Reimbursable Annex Two under Umbrella Agreement (No. 34682) between NASA Ames Research Center and Ohio Department of Transportation for Advanced Air Mobility Technology Research and Demonstration Activities	5/11/2022	5/11/2025	Non-Reimbursable	\$2,539,780	ARC	SAA2-403685-2
147	36226	Canopy Aerospace	Annex One under Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Canopy Aerospace for Thermal Protection System Technology Transfer	4/5/2022	4/5/2025	Reimbursable	----	ARC	SAA2-403683-1

Active Space Act Agreements (as of March 31, 2024) with U.S. Non-Federal Partners

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148	36225	Canopy Aerospace	Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Canopy Aerospace for Thermal Protection System Technology Transfer	4/5/2022	4/5/2027	Reimbursable	-----	ARC	SAA2-403683
149	36212	The University of California at Berkeley	Annex One to Non-reimbursable Space Act Umbrella Agreement between NASA Ames Research Center and University of California at Berkeley for Space Exploration, Science and Engineering Research, and STEM Initiatives	2/22/2022	2/22/2027	Non-Reimbursable	\$17,962	ARC	SAA2-403507-1
150	35946	AIRT, Inc.	Annex One under Non-Reimbursable Umbrella Space Act Agreement between NASA Ames and AIRT, Inc (D/B/A Droneresponders) for Developing Safety Processes and Procedures to Enable Highly-Automated Aviation for Emergency Response in the National Airspace	4/20/2022	4/20/2025	Non-Reimbursable	\$2,911,122	ARC	SAA2-403675-1
151	35945	AIRT, Inc.	Non-Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and AIRT, Inc (D/B/A Droneresponders) for Developing Safety Processes and Procedures to Enable Highly-Automated Aviation for Emergency Response in the National Airspace	4/20/2022	4/20/2027	Non-Reimbursable	\$0	ARC	SAA2-403675
152	35883	Arrow Tech Associates	Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Arrow Tech Associates for Wind Tunnel Testing	3/9/2022	3/9/2027	Reimbursable	-----	ARC	SAA2-403674
153	35849	KAI, LLC	Reimbursable Space Act Agreement between NASA Ames and Kai, LLC for Modeling and Characterization of Low Density Flexible Thermal Protection Materials for Hypersonic Vehicles	7/26/2022	7/25/2024	Reimbursable	-----	ARC	SAA2-403672
154	35784	Varda Space Industries	Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Varda Space Industries for Support of a Re-Entry Capsule	12/28/2021	12/28/2026	Reimbursable	-----	ARC	SAA2-403669

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155	35782	Inversion Space	Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Inversion Space for Support of a Re-Entry Capsule	2/25/2022	2/25/2027	Reimbursable	-----	ARC	SAA2-403668
156	35739	Northrop Grumman Systems Corporation	Annex 1 under Non-Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Northrop Grumman Systems Corporation for Unmanned Aircraft Systems for Cargo Transportation	5/11/2022	6/17/2024	Non-Reimbursable	\$126,000	ARC	SAA2-403666-1
157	35738	Northrop Grumman Systems Corporation	Non-Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Northrop Grumman Systems Corporation for Unmanned Aircraft Systems for Cargo Transportation	5/11/2022	5/11/2027	Non-Reimbursable	\$0	ARC	SAA2-403666
158	35649	JOBY AVIATION, INC	Annex 1 under Non-Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Joby Aviation for High-Rate Composite Component Manufacturing	6/3/2022	6/2/2024	Non-Reimbursable	\$1,070,633	ARC	SAA2-403660-1
159	35648	JOBY AVIATION, INC	Non-Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Joby Aviation for High-Rate Composite Component Manufacturing	6/3/2022	6/2/2027	Non-Reimbursable	\$0	ARC	SAA2-403660
160	35577	Lawrence Livermore National Security, LLC	Annex Three under Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Lawrence Livermore National Security, LLC for Aerospace Research and Testing Activities	9/2/2022	9/2/2024	Reimbursable	-----	ARC	SAA2-403582-3
161	35574	LAWRENCE LIVERMORE NATIONAL LABORATORY, LLC	NonReimbursable Space Act Agreement between NASA ARC and Lawrence Livermore National Security, LLC for Supporting High Performance Computing systems	12/15/2021	12/15/2026	Non-Reimbursable	\$30,797	ARC	SAA2-403658

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162	35475	Northrop Grumman Corporation	Non-Reimbursable Space Act Agreement Between NASA Ames Research Center and the Northrop Grumman Corporation for Prognostics and Health Management	1/17/2023	1/16/2025	Non-Reimbursable	\$10,332	ARC	SAA2-403657
163	35422	UNITED AIRLINES	Non-Reimbursable Space Act Agreement between NASA Ames Research Center and United Airlines for Digital Information Platform (DIP) Flight Operators Partnership	1/4/2023	1/3/2028	Non-Reimbursable	\$2,502,449	ARC	SAA2-403735
164	35404	Radian Aerospace	Annex One under Reimbursable Space Act Umbrella Agreement between NASA Ames Research Center and Radian Aerospace, Inc. for Supporting Radian Aerospace Commercial Hypersonic Vehicle Development	12/28/2021	12/28/2024	Reimbursable	-----	ARC	SAA2-403654-1
165	35403	Radian Aerospace	Reimbursable Space Act Umbrella Agreement between NASA Ames Research Center and Radian Aerospace, Inc. for Supporting Radian Aerospace Commercial Hypersonic Vehicle Development	12/28/2021	12/28/2026	Reimbursable	-----	ARC	SAA2-403654
166	35300	Stratolaunch, Inc.	Annex One under Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Stratolaunch, LLC for Supporting Stratolaunch Commercial Hypersonic Vehicle Development	3/1/2022	3/1/2025	Reimbursable	-----	ARC	SAA2-403646-1
167	35299	Stratolaunch, Inc.	Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Stratolaunch, LLC for Supporting Stratolaunch Commercial Hypersonic Vehicle Development	3/1/2022	3/1/2027	Reimbursable	-----	ARC	SAA2-403646
168	35291	The Boeing Company	Annex One under Non-Reimbursable Umbrella Space Act Agreement between NASA ARC and The Boeing Company to Explore Aircraft Autonomy and Autonomous Systems	5/25/2022	5/24/2024	Non-Reimbursable	\$125,828	ARC	SAA2-403647-1



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169	35290	The Boeing Company	Non-Reimbursable Umbrella Space Act Agreement between NASA ARC and The Boeing Company to Explore Aircraft Autonomy and Autonomous Systems	5/25/2022	5/24/2027	Non-Reimbursable	\$0	ARC	SAA2-403647
170	35266	Dallas/Fort Worth International Airport Board	Non-Reimbursable Space Act Agreement between NASA Ames Research Center and Dallas/Fort Worth International Airport Board for Data Sharing for NextGen Research and Development	9/29/2021	9/29/2026	Non-Reimbursable	\$338,769	ARC	SAA2-403645
171	34898	DYNETICS CORP	Reimbursable Space Act Umbrella Agreement between NASA Ames Research Center and the Dynetics, Inc. for Wind Tunnel Testing	10/12/2021	10/12/2026	Reimbursable	-----	ARC	SAA2-403636
172	34811	Skydio, Inc.	Non-Reimbursable Space Act Umbrella Agreement between NASA Ames Research Center and the Skydio Inc. for Autonomous UAS Technology Research and Development	9/1/2021	9/1/2026	Non-Reimbursable	\$0	ARC	SAA2-403630
173	34677	Microsoft Corporation	Non-Reimbursable Space Act Umbrella Agreement between NASA Ames Research Center and Microsoft Corporation for Cloud-Base Simulation Platform Prototype	7/16/2021	7/16/2026	Non-Reimbursable	\$0	ARC	SAA2-403624
174	34539	The Boeing Company	Non-Reimbursable Space Act Agreement between NASA ARC and Boeing Company for Computational Assessment and Wind Tunnel Data Correlation for a Low Boom Demonstrator Concept	9/27/2021	9/27/2024	Non-Reimbursable	\$45,541	ARC	SAA2-403620
175	34521	Avision, Inc.	Nonreimbursable Space Act Agreement between NASA Ames Research Center and Avision, Inc for Scalable Traffic Management for Emergency Response Operations (STEReO)	4/27/2021	4/27/2026	Non-Reimbursable	\$1,273,460	ARC	SAA2-403618

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176	34520	AMERICAN AIRLINES, INC	Nonreimbursable Space Act Agreement between NASA ARC and American Airlines, Inc for Human Factors Research	12/28/2021	12/28/2026	Non-Reimbursable	\$2,940,419	ARC	SAA2-403621
177	34515	University of Minnesota	Annex One under Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and The University of Minnesota for Space Exploration, Science, and Engineering Research, and STEM Initiative	7/12/2022	7/11/2024	Reimbursable	----	ARC	SAA2-403617-1
178	34514	University of Minnesota	Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and The University of Minnesota for Space Exploration, Science, and Engineering Research, and STEM Initiative	7/12/2022	7/11/2027	Reimbursable	----	ARC	SAA2-403617
179	34471	General Electric Company	Annex One under Non-Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and General Electric Company for Safety Assurance of Flight Critical Systems	5/20/2021	5/20/2024	Non-Reimbursable	\$475,075	ARC	SAA2-403615-1
180	34470	General Electric Company	Non-Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and General Electric Company for Safety Assurance of Flight Critical Systems	5/20/2021	5/20/2026	Non-Reimbursable	\$0	ARC	SAA2-403615
181	34243	Founder Institute, Incorporated	Annex Two to Nonreimbursable Space Act Umbrella Agreement between the National Aeronautics and Space Administration Ames Research Center and Founder Institute, Incorporated for Phase 2 - Founder Institute Advanced Technology Accelerator Program	5/20/2021	11/19/2024	Non-Reimbursable	\$21,502	ARC	SAA2-403517-2
182	34095	Chabot Space & Science Center	Annex One to Non-Reimbursable Umbrella Interagency Agreement between NASA ARC and the Chabot Space and Science Center for Framework on Regional Partnership	2/8/2021	2/8/2026	Non-Reimbursable	\$2,264,336	ARC	SAA2-403607-1

Active Space Act Agreements (as of March 31, 2024) with U.S. Non-Federal Partners

ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
183	34094	Chabot Space & Science Center	Non-Reimbursable Umbrella Interagency Agreement between NASA Ames Research Center and the Chabot Space and Science Center for Framework on Regional Partnership	2/8/2021	2/8/2026	Non-Reimbursable	\$0	ARC	SAA2-403607
184	33288	Rocket Lab USA	Non-Reimbursable Umbrella Space Act Agreement between NASA ARC and Rocket Lab for Space Science, Earth Science, and Engineering Research	10/14/2020	10/14/2025	Non-Reimbursable	\$0	ARC	SAA2-403591
185	33148	Stanford Blood Center	Non-Reimbursable Space Act Agreement between NASA Ames Research Center and Stanford Blood Center for Blood Drives	10/6/2020	10/6/2025	Non-Reimbursable	\$12,568	ARC	SAA2-403588
186	33082	Virgin Orbit	Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Virgin Orbit, LLC for Supporting the Maturation of Virgin Orbit's Air-Launched Vehicle System	10/6/2020	10/6/2025	Reimbursable	----	ARC	SAA2-403586
187	33060	Sentinel Healthcare Corporation	Nonreimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Sentinel Healthcare for a Data-Driven Pandemic Response Management System (COVID-19)	9/8/2020	9/8/2025	Non-Reimbursable	\$0	ARC	SAA2-403585
188	32993	Lawrence Livermore National Security, LLC	Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Lawrence Livermore National Security, LLC for Aerospace Research and Testing Activities	1/13/2021	1/13/2026	Reimbursable	----	ARC	SAA2-403582
189	32992	Purdue University	Annex One under Non-Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Purdue University for Research and Development in Aerospace, Earth Science, and Aviation Systems	12/15/2020	12/15/2025	Non-Reimbursable	\$96,476	ARC	SAA2-403581-1

Active Space Act Agreements (as of March 31, 2024) with U.S. Non-Federal Partners

ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
190	32991	Purdue University	Non-Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Purdue University for Research and Development in Aerospace, Earth Science, and Aviation Systems	12/15/2020	12/15/2025	Non-Reimbursable	\$0	ARC	SAA2-403581
191	32905	California Polytechnic State University	Annex One to Non-reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and California Polytechnic State University for Space Exploration, Science and Engineering Research, and STEM Initiatives	6/20/2021	6/20/2024	Non-Reimbursable	\$96,152	ARC	SAA2-403539-1
192	32865	California Department of Forestry and Fire Protection	Non-Reimbursable Space Act Agreement between NASA Ames Research Center and California Department of Forestry and Fire Protection (CAL FIRE) for Scalable Traffic Management for Emergency Response Operation (STEReO)	4/5/2021	4/5/2026	Non-Reimbursable	\$1,892,439	ARC	SAA2-403576
193	32699	University of Colorado Boulder	Annex 1 to the Non-Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and University of Colorado for Exploration, Development, and Testing of High Temperature Materials for Hypersonics	4/19/2021	4/19/2026	Non-Reimbursable	\$186,242	ARC	SAA2-403529-1
194	32613	Khaled bin Sultan Living Oceans Foundation	Non-Reimbursable Space Act Agreement between NASA Ames and Khaled bin Sultan Living Oceans Foundation for Sharing Data to Improve Benthic Habitat Map	5/15/2021	5/15/2026	Non-Reimbursable	\$126,200	ARC	SAA2-403568
195	32577	Delta Air Lines, Inc.	Non-Reimbursable Space Act Agreement between NASA Ames and Delta Airlines, Inc. for Human Factors Fatigue Research	11/24/2020	11/24/2025	Non-Reimbursable	\$740,892	ARC	SAA2-403566
196	32574	VERDIGRIS TECHNOLOGIES, INC	Nonreimbursable Space Act Agreement between Verdigris Technologies, Inc. and NASA Ames Research Center for Advanced Sensing and Health Management for Sustainable Habitats	1/27/2021	1/27/2026	Non-Reimbursable	\$189,758	ARC	SAA2-403565

Active Space Act Agreements (as of March 31, 2024) with U.S. Non-Federal Partners

ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
197	32524	San Jose State University	Annex One under Non-reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and San Jose State University for Space Exploration, Science and Engineering Research, and STEM Initiatives	2/18/2021	2/18/2026	Non-Reimbursable	\$95,926	ARC	SAA2-403536-1
198	32521	Gulfstream Aerospace Corporation	Reimbursable Umbrella Space Act Agreement between NASA Ames and Gulfstream Aerospace Corporation for Wind Tunnel Testing	8/15/2021	8/15/2026	Reimbursable	----	ARC	SAA2-403564
199	32517	MOFFETT FIELD HISTORICAL SOCIETY	Reimbursable Space Act Agreement between NASA Ames Research Center and Moffett Field Historical Society to Support the History of Moffett Field	6/29/2020	6/29/2025	Reimbursable	----	ARC	SAA2-403562
200	32345	County of Santa Clara Office of the Sheriff	Reimbursable Space Act Agreement between NASA Ames and the County of Santa Clara Office of the Sheriff for Utilization of Moffett Field for Law Enforcement and Emergency Response Capabilities	10/1/2020	9/30/2025	Reimbursable	----	ARC	SAA2-403555
201	32295	American Airlines	Annex One under Nonreimbursable Umbrella Space Act Agreement between NASA Ames Research Center and American Airlines for Collaborative Research to Improve Aviation Safety	3/1/2021	3/1/2026	Non-Reimbursable	\$1,789,221	ARC	SAA2-403551-1
202	32294	American Airlines	NONREIMBURSABLE SPACE ACT UMBRELLA AGREEMENT BETWEEN THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION AMES RESEARCH CENTER AND AMERICAN AIRLINES FOR COLLABORATIVE RESEARCH TO IMPROVE AVIATION SAFETY	3/1/2021	3/1/2026	Non-Reimbursable	\$0	ARC	SAA2-403551
203	32210	SAN JOSE STATE UNIVERSITY	Non-reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and San Jose State University for Space Exploration, Science and Engineering Research, and STEM Initiatives	2/18/2021	2/18/2026	Non-Reimbursable	\$0	ARC	SAA2-403536

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ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
204	32209	California Polytechnic State University	Non-reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and California Polytechnic State University for Space Exploration, Science and Engineering Research, and STEM Initiatives	6/20/2021	6/20/2026	Non-Reimbursable	\$0	ARC	SAA2-403539
205	32187	LOCKHEED MARTIN	Reimbursable Space Act Agreement between NASA ARC and Lockheed Martin Corporation for Enhanced Heating Sample Testing at the NASA Ames IHF-LEAF	5/1/2020	10/31/2024	Reimbursable	----	ARC	SAA2-403549
206	31973	NISSAN NORTH AMERICA, INC	Annex 1 between NASA ARC and Nissan North America for Distributed Robotics Technology and Integrated Systems	6/12/2020	6/11/2025	Reimbursable	----	ARC	SAA2-403545-1
207	31972	NISSAN NORTH AMERICA, INC	Reimbursable Umbrella Space Act Agreement between NASA ARC and Nissan North America for Research and Development in Robotic Technologies	6/12/2020	6/12/2025	Reimbursable	----	ARC	SAA2-403545
208	31897	Arizona State University	Annex One to NRUSAA between NASA ARC and Arizona State University for Technology Transfer Academia Infusion	5/22/2020	5/21/2025	Non-Reimbursable	\$62,883	ARC	SAA2-403530-1
209	31896	Arizona State University	Non-reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Arizona State University for Space Exploration, Science and Engineering Research, and STEM Initiatives	5/21/2020	5/21/2025	Non-Reimbursable	\$0	ARC	SAA2-403530
210	31890	UNIVERSITY OF COLORADO BOULDER	Non-reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and the University of Colorado at Boulder for Space Exploration, Science and Engineering Research, and STEM Initiatives	4/19/2021	4/19/2026	Non-Reimbursable	\$0	ARC	SAA2-403529

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ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
211	31848	SPACE SYSTEMS LORAL, LLC	Annex 1 to Nonreimbursable Umbrella Space Act Agreement between NASA ARC and Space Systems Loral for Robotic and Spacecraft Technology Research	4/16/2020	4/16/2025	Non-Reimbursable	\$62,229	ARC	SAA2-403528-1
212	31847	SPACE SYSTEMS LORAL, LLC	Reimbursable Umbrella Space Act Agreement between NASA ARC and Space Systems Loral for Robotic and Spacecraft Technology Research	4/16/2020	4/16/2025	Non-Reimbursable	\$0	ARC	SAA2-403528
213	31447	Founder Institute, Incorporated	Nonreimbursable Space Act Umbrella Agreement between the National Aeronautics and Space Administration Ames Research Center and Founder Institute, Incorporated for the Fostering of Space Entrepreneurship	11/19/2019	11/19/2024	Non-Reimbursable	\$0	ARC	SAA2-403517
214	31359	Northrop Grumman Corporation	REIMBURSABLE SPACE ACT UMBRELLA AGREEMENT No.31359/SAA2-403514 BETWEEN NASA ARC AND NORTHROP GRUMMAN CORPORATION FOR WIND TUNNEL TESTING	1/20/2020	1/20/2025	Reimbursable	----	ARC	SAA2-403514
215	31057	The University of California at Berkeley	Non-reimbursable Space Act Umbrella Agreement between NASA Ames Research Center and University of California at Berkeley for Space Exploration, Science and Engineering Research, and STEM Initiatives	2/22/2022	2/22/2027	Non-Reimbursable	\$0	ARC	SAA2-403507
216	31044	NTT Research, Inc.	Reimbursable Space Act Agreement between the National Aeronautics and Space Administration Ames Research Center and NTT Research, Inc. to Benchmark Coherent Ising Machines	11/12/2019	11/12/2024	Reimbursable	----	ARC	SAA2-403506
217	30884	San Francisco International Airport	Reimbursable Umbrella Space Act Agreement between The National Aeronautics and Space Administration Ames Research Center and San Francisco International Airport City and County of San Francisco for Research and Technologies for Increasing Airport Surface Capacity and Airfield Efficiency.	7/2/2019	7/2/2024	Reimbursable	----	ARC	SAA2-403426

Active Space Act Agreements (as of March 31, 2024) with U.S. Non-Federal Partners

ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
218	30834	Advanced Technologies Group, Inc.	Reimbursable Umbrella Space Act Agreement between NASA ARC and Advanced Technologies Group, Inc. for Wind Tunnel Testing	12/20/2019	12/20/2024	Reimbursable	-----	ARC	SAA2-403500
219	30729	UNIVERSITY OF WASHINGTON	Reimbursable Space Act Umbrella Agreement between the National Aeronautics and Space Administration Ames Research Center and the University of Washington for Hardware Development and Testing	8/27/2019	8/27/2024	Reimbursable	-----	ARC	SAA2-403496
220	30452	Leland Stanford Junior University	Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Leland Stanford Junior University for Aerospace Technology Research, Testing, and Development	12/16/2020	12/16/2025	Reimbursable	-----	ARC	SAA2-403497
221	30244	GE Flight Efficiency Services, Inc.	Non-Reimbursable Space Act Umbrella Agreement Between the National Aeronautics and Space Administration Ames Research Center and GE Flight Efficiency Services, Inc. for Collaborative Development and Use of NASA ATM-X Testbed for Integrated ATM Research	9/12/2019	9/12/2024	Non-Reimbursable	\$0	ARC	SAA2-403486
222	29398	SkyTran Inc.	Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Skytran, Inc. for Personal Rapid Transport System	7/2/2021	7/2/2026	Reimbursable	-----	ARC	SAA2-403462
223	29380	The Boeing Company	Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and the Boeing Company for Wind Tunnel Testing	4/27/2020	4/27/2025	Reimbursable	-----	ARC	SAA2-403460
224	27616	Blue Origin, LLC	Reimbursable Umbrella Space Act Agreement Between the National Aeronautics and Space Administration Ames Research Center and Blue Origin, LLC to Support Blue Origin Commercial Space Transportation Development	7/13/2018	6/13/2024	Reimbursable	-----	ARC	SAA2-403403



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225	15238	US Airways, Inc.	Nonreimbursable Space Act Agreement Between US Airways Inc. and The National Aeronautics And Space Administration, Ames Research Center for Development of Airline Ramp Management Decision Support Tool	4/23/2013	4/30/2024	Non-Reimbursable	----	ARC	SAA2-402733
226	4900	AMES CHILD CARE CENTER	Nonreimbursable Space Act Agreement Between NASA Ames Research Center and Ames Child Care Center for Administration of On-Site Child Care Facility	5/19/2005	12/31/2025	Non-Reimbursable	----	ARC	SAA2-401816
227	40219	Dayton Development Coalition	2024 Ohio Space Forum	3/26/2024	9/26/2024	Non-Reimbursable	\$2,130	GRC	SAA3-1814
228	40029	ROLLS-ROYCE CORP	Annex No. 6 to SAA3-1606 for High-Temperature Durability Testing of EBCs	3/8/2024	3/8/2025	Reimbursable	----	GRC	SAA3-1606-06
229	40024	Rivotto, Inc.	Fabrication of Radiation Detectors for Elevated Temperature Applications	2/21/2024	2/21/2025	Reimbursable	----	GRC	SAA3-1804
230	39980	Northrop Grumman	Annex No. 06 to SAA3-1724 for Extension of Long Duration Wear Test	2/28/2024	2/28/2026	Reimbursable	----	GRC	SAA3-1724-06
231	39979	Greater Cleveland Partnership	Strategic Economic Development Collaboration	11/28/2023	11/27/2028	Non-Reimbursable	\$71,388	GRC	SAA3-1800

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232	39929	Federal Reserve Bank of Cleveland	Annex to Science, Technology, Engineering and Mathematics (STEM) Outreach between NASA GRC and Cleveland Federal Reserve	1/30/2024	1/30/2025	Non-Reimbursable	\$15,289	GRC	SAA3-1699-02
233	39889	Acree Technologies, Inc.	Advanced High Temperature Sensors for Hypersonic Vehicles	12/14/2023	12/14/2024	Reimbursable	-----	GRC	SAA3-1796
234	39535	Physical Sciences Inc.	Testing of High Temperature Seals and Preload Devices	1/8/2024	1/8/2026	Reimbursable	-----	GRC	SAA3-1784
235	39463	Case Western Reserve University	CWRU CWRUXR software	12/13/2023	12/13/2024	Non-Reimbursable	\$15,325	GRC	SAA3-1779
236	39451	CITY OF CLEVELAND	NASA Glenn Airport Exhibit	12/14/2023	12/14/2027	Non-Reimbursable	\$421,648	GRC	SAA3-1777
237	39402	Northrop Grumman	Annex No. 05 under SAA3-1724 for Support for NGHT-1X Qualification Thermal Vacuum Test	11/13/2023	11/13/2024	Reimbursable	-----	GRC	SAA3-1724-05
238	39249	Zeno Power Systems	Development of Radioisotope Stirling Generator (RSG) Technology	1/21/2024	1/21/2026	Reimbursable	-----	GRC	SAA3-1778-01

Active Space Act Agreements (as of March 31, 2024) with U.S. Non-Federal Partners

ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
239	39248	Zeno Power Systems	Research and Testing of Technology Related to Development of a Radioisotope Stirling Generator (RSG)	1/21/2024	1/20/2029	Reimbursable	-----	GRC	SAA3-1778
240	39228	Telepath Systems	2023 NASA Glenn Aviation Day	8/11/2023	8/11/2024	Non-Reimbursable	\$168,447	GRC	SAA3-1775
241	39187	Radian Aerospace	Annex No. 02 Under SAA3-1726 for Multilayer Aerogel Composite Hybrid (MACH) Evaluation	1/19/2024	3/19/2025	Reimbursable	-----	GRC	SAA3-1726-02
242	39162	Martina Dimoska	Annex No. 2 under SAA2-403770 Umbrella Agreement in Support of 2023 International Space Apps Challenge	9/8/2023	9/8/2024	Non-Reimbursable	\$3,332	GRC	SAA2-403770-02
243	39156	GENERAL ELECTRIC COMPANY	GE HYDROGEN GAS SENSOR FABRICATION	3/22/2024	3/22/2025	Reimbursable	-----	GRC	SAA3-1774
244	38960	geCKo Materials, PBC	Annex No. 02 to SAA8-2338858 for Space Environmental Effects and Materials Testing-Atomic Oxygen	7/28/2023	7/28/2024	Reimbursable	-----	GRC	SAA8-2338858-02
245	38891	The Ohio State University	Aerospace Materials Research and Characterization	8/7/2023	8/7/2025	Non-Reimbursable	\$83,235	GRC	SAA3-1768

Active Space Act Agreements (as of March 31, 2024) with U.S. Non-Federal Partners

ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
246	38871	Northrop Grumman	Annex No. 04 under SAA3-1724 for Support for Flight Cathode Heater and Thruster Acceptance Testing	8/15/2023	8/15/2025	Reimbursable	----	GRC	SAA3-1724-04
247	38857	MAKEL ENGINEERING, INC	MPASS Development and Testing Support	3/7/2024	3/7/2026	Reimbursable	----	GRC	SAA3-1780
248	38776	The Boeing Company	Annex to Aerospace Research Development	8/7/2023	8/7/2025	Non-Reimbursable	\$32,056	GRC	SAA1-35361-04
249	38680	gravityLab LLC	Partial-g Investigations in LEO using Microsatellites	9/6/2023	9/6/2027	Non-Reimbursable	\$376,872	GRC	SAA3-1766
250	38482	BLUE ORIGIN, LLC	Annex No. 34 to SAA-EA-20-29343 for Development and Production of GRX-810 Powder	5/5/2023	5/5/2024	Reimbursable	----	GRC	SAA-EA-20-29343-34
251	38404	The Boeing Company	Controlled Vortex Generator for Quiet High Lift Systems (QHLS)	11/7/2023	11/7/2027	Non-Reimbursable	\$253,799	GRC	SAA3-1761
252	38385	Miami University	The Conservation Genetic Assessment Of Smooth Greensnakes (Opheodrys vernalis) At NASA Glenn Research Center (GRC) At Neil A. Armstrong Test Facility (GRC-ATF)	6/26/2023	6/24/2028	Non-Reimbursable	\$19,610	GRC	SAA3-1759

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ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
253	38254	The Regents of the University of Colorado	Annex 2 under SAA3-1753 Multi-Asteroid eXplorer (MAX) Electric Propulsion String Compatibility Testing	9/4/2023	9/4/2024	Reimbursable	-----	GRC	SAA3-1753-02
254	38241	BLUE ORIGIN, LLC	Annex to SAA3-1609, Cargo Lander Fuel Cell Testing	5/1/2023	5/1/2024	Reimbursable	-----	GRC	SAA3-1609-03
255	38201	GENERAL ELECTRIC COMPANY, GE AEROSPACE	GE Aerospace CLEEN III Unducted Single Fan Test	11/26/2023	11/26/2027	Reimbursable	-----	GRC	SAA3-1760
256	38094	LOCKHEED MARTIN	Lunar Spring Tire Testing at GRC	3/13/2023	3/13/2026	Reimbursable	-----	GRC	SAA8-2134592-08
257	38078	The Regents of the University of Colorado	Annex No. 1 under SAA3-1753 Multi-Asteroid eXplorer (MAX) Mission Support Umbrella Agreement for the Regents of the University of Colorado	8/3/2023	8/3/2024	Reimbursable	-----	GRC	SAA3-1753-01
258	38077	The Regents of the University of Colorado	Multi-Asteroid eXplorer (MAX) Mission Support Umbrella Agreement for the Regents of the University of Colorado	8/3/2023	8/1/2028	Reimbursable	-----	GRC	SAA3-1753
259	37690	Teraphysics Corporation	Characterization of Microfabricated E-Band Helical Traveling-Wave Tube Amplifier	2/13/2023	8/13/2024	Non-Reimbursable	\$72,548	GRC	SAA3-1748

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ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
260	37541	Lunar Resources, Inc	Developing, Implementing, and Operating Lunar In-Situ Photovoltaic Power Grids	3/15/2023	3/15/2025	Non-Reimbursable	\$479,092	GRC	SAA3-1756
261	37484	General Electric Company	Burner Rig Material Durability	2/26/2023	2/26/2025	Reimbursable	-----	GRC	SAA3-1747
262	37391	Microsoft Corporation	Lithium-Ion (Li) Battery Testing	7/16/2023	7/16/2027	Non-Reimbursable	\$643,981	GRC	SAA3-1745
263	37298	GENERAL ELECTRIC COMPANY	Evaluation of Alternative Fuels on Contrail Formation in the GRC Particulate Aerosol Laboratory (PAL)	4/25/2023	4/25/2025	Reimbursable	-----	GRC	SAA3-1744
264	37157	Ohio Department of Transportation	Annex No. 05 for Advanced Air Mobility Technology Research and Demonstration Activities	12/23/2022	12/23/2024	Non-Reimbursable	\$62,654	GRC	SAA3-34682-05
265	37141	Wright Electric, LLC	NEAT Wright Electric Motor Test	6/8/2023	6/8/2026	Non-Reimbursable	\$1,638,899	GRC	SAA3-1742
266	37051	Massachusetts Institute of Technology	Evaluation of Radiation Hardiness of Silicon Carbide Piezoresistive Pressure Sensors	3/15/2023	3/15/2025	Non-Reimbursable	\$10,188	GRC	SAA3-1746-01

Active Space Act Agreements (as of March 31, 2024) with U.S. Non-Federal Partners

ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
267	37050	Massachusetts Institute of Technology	Evaluation of Radiation Effects on NASA GRC Silicon Carbide Microsystems and Physical Sensors	3/15/2023	3/13/2028	Non-Reimbursable	\$0	GRC	SAA3-1746
268	36925	The University of Akron	Graduate Traineeship on Advances in Materials Science Using Machine Learning	9/28/2022	9/27/2027	Non-Reimbursable	\$124,156	GRC	SAA3-1739
269	36691	SolarSpace LLC	Licensee Consultation to Convert Concentrated Solar Power into Energy via Thermoacoustics	7/9/2022	7/9/2024	Reimbursable	-----	GRC	SAA3-1733
270	36568	Inmarsat Government, Inc.	Communications Services Project Funded Space Act Agreement for Inmarsat Government, Inc.	5/31/2022	5/30/2027	Funded	\$28,628,731	GRC	NNC2236568
271	36567	Telesat U.S. Services, LLC	Communications Services Project Funded Space Act Agreement for Telesat U.S. Services, LLC	5/31/2022	5/30/2027	Funded	\$30,654,565	GRC	NNC2236567
272	36565	KGS, LLC	Communications Services Project Funded Space Act Agreement for KGS, LLC.	5/31/2022	5/30/2027	Funded	\$67,000,000	GRC	NNC2236565
273	36564	Space Exploration Technologies, Corp.	Communications Services Project Funded Space Act Agreement for Space Exploration Technologies, Corp.	5/31/2022	5/30/2027	Funded	\$69,955,973	GRC	NNC2236564

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ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
274	36563	SES Government Solutions, Inc.	Communications Services Project	5/31/2022	5/30/2027	Funded	\$28,963,792	GRC	NNC2236563
275	36547	Viasat, Inc.	Communications Services Project	5/31/2022	5/30/2027	Funded	\$53,345,718	GRC	NNC2236547
276	36507	Aerojet Rocketdyne, Inc.	Annex No. 7 under SAA3-1639 Upper Stage Engine Manufacturing, Testing, and Evaluation Umbrella Agreement for Aerojet Rocketdyne, Inc.	6/4/2022	6/4/2024	Reimbursable	-----	GRC	SAA3-1639-7
277	36406	UNIVERSITY OF ARIZONA	Perovskite Stress Analysis for Lunar Applications	7/31/2022	7/31/2025	Non-Reimbursable	\$24,044	GRC	SAA3-1725
278	36355	RELATIVITY SPACE, INC.	Production of Alumina Strengthened Cu Alloy	2/20/2023	2/20/2025	Non-Reimbursable	\$46,915	GRC	SAA3-1723-01
279	36354	RELATIVITY SPACE, INC.	Exploration of Oxide Dispersion Strengthened Copper Alloys	2/20/2023	2/20/2027	Non-Reimbursable	\$0	GRC	SAA3-1723
280	36347	Case Western Reserve University	Quantum Metrology Development for Spin-Based Solid-State Devices	12/22/2022	12/22/2024	Non-Reimbursable	\$22,073	GRC	SAA3-1728



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ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
281	36308	Nanopath, Inc.	Electromagnetic Simulations for Device Designs of Optical Sensing Substrates	4/11/2022	4/11/2024	Reimbursable	----	GRC	SAA3-1722
282	36290	Radian Aerospace Incorporated	Commercial Space Transport and Aircraft Components Research and Development Activities	8/28/2022	8/27/2027	Reimbursable	----	GRC	SAA3-1726
283	36156	NATIONAL TECHNOLOGY AND ENGINEERING SOLUTIONS OF SANDIA, LLC	Engineering and Testing Services	1/18/2022	1/18/2026	Reimbursable	----	GRC	SAA3-1702
284	36061	ASTROBOTIC TECHNOLOGY, INC	Annex No. 07 to SAA8-1930516 for VIPER Egress Test	5/5/2022	5/5/2024	Reimbursable	----	GRC	SAA8-1930516-07
285	36027	Space Exploration Technologies Corp.	Annex No. 2 under SAA3-1708 to Spaceflight and Spaceflight Hardware Related Analysis, Services, Testing, and Expertise	9/4/2022	9/4/2025	Reimbursable	----	GRC	SAA3-1708-2
286	36021	Northrop Grumman	Sub-Kilowatt HCT Long Duration Wear Test (LDWT)	12/10/2022	12/10/2024	Reimbursable	----	GRC	SAA3-1724-01
287	36020	Northrop Grumman	Electric Propulsion System Development, Fabrication, and Testing	12/19/2022	12/18/2027	Reimbursable	----	GRC	SAA3-1724

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288	36011	Wichita State University	Development of Multi-Functional Liner Concepts for Improvement of Turbofan Engines	5/7/2023	5/7/2025	Non-Reimbursable	\$3,202	GRC	SAA3-1717
289	35885	University of Dayton Research Institute	Characterization Testing of Coefficient of Friction and Wear in Bolted Joints	12/13/2022	12/13/2024	Reimbursable	----	GRC	SAA3-1719
290	35262	Space Exploration Technologies Corp.	SPACEFLIGHT AND SPACEFLIGHT HARDWARE RELATED ANALYSIS, SERVICES, TESTING, AND EXPERTISE	9/21/2021	9/21/2026	Reimbursable	----	GRC	SAA3-1708
291	35235	Miami Valley Career Technical Center	NASA HUNCH (High school students United with NASA to Create Hardware)	6/9/2022	6/8/2027	Non-Reimbursable	\$114,496	GRC	SAA3-1707
292	35124	Federal Reserve Bank of Cleveland	SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM) OUTREACH BETWEEN NASA GRC AND CLEVELAND FED	2/24/2022	2/24/2027	Non-Reimbursable	\$0	GRC	SAA3-1699
293	35018	AURA Network Systems	Annex 2 to Advanced Air Mobility Technology Research and Demonstration Activities with AURA Network Systems (2021 ARMD ACO Award)	7/6/2021	7/6/2026	Non-Reimbursable	\$650,975	GRC	GRC PAM NO 35018
294	34618	University Circle, Incorporated	University Circle Incorporated Future Connections Partnership	7/29/2022	7/28/2027	Non-Reimbursable	\$77,257	GRC	SAA3-1705

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295	34317	UNIVERSITY OF NOTRE DAME	Collaborative Research for Fan Noise Generation and Propagation on Advanced Noise Control Fan (ANCF)	5/26/2021	5/26/2026	Non-Reimbursable	\$80,095	GRC	SAA3-1688
296	34260	Wright Electric, Inc.	NASA/Wright Electric Power Electronic Technologies for Electrified Aircraft Propulsion (EAP)	7/12/2022	7/12/2024	Non-Reimbursable	\$202,458	GRC	SAA3-1704
297	33985	ASM International	Artificial Intelligence (AI)/Machine Learning (ML) Enhanced Toolkit to Establish Processing, Structure, Property, Performance (PSPP) Relationships to Accelerate Alloy Development and Increase Performance	1/2/2022	1/2/2025	Non-Reimbursable	\$162,576	GRC	SAA3-1683
298	33936	JumpStart, Inc.	Commercialization of NASA GRC Technology Efforts with JumpStart, Inc.	4/1/2021	4/1/2026	Non-Reimbursable	\$43,342	GRC	SAA3-1678
299	33924	THE BOEING COMPANY	Development of Ultra-High-Performance Metallic Turbine Blades for Extreme Environments	2/13/2023	8/13/2026	Reimbursable	-----	GRC	SAA3-1680
300	33534	The Ohio State University	In-Situ 3-D Printing of Wireless Implant with The Ohio State University	12/2/2020	12/1/2025	Non-Reimbursable	\$81,884	GRC	SAA3-1670
301	33049	Amazon.Com Services, LLC.	Spacecraft Electric Propulsion Component Development, Manufacturing, Testing and Evaluation	1/5/2021	1/5/2026	Reimbursable	-----	GRC	SAA3-1663

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302	33024	CesiumAstro, Inc.	SmallSat Ka-band Operations User Terminal (SKOUT) Flight Experiments with CesiumAstro	12/2/2020	12/2/2025	Non-Reimbursable	\$150,568	GRC	SAA3-1664
303	32927	THE BOEING COMPANY	Advanced Dispersion Coating and Consolidation Techniques for Powder Feedstock	12/22/2022	12/22/2026	Non-Reimbursable	\$222,654	GRC	SAA3-1687
304	32534	ZIN TECHNOLOGIES, INC	Use of Unique NASA Facilities (EMI Lab, SDL, TVAC)	8/11/2020	8/11/2025	Reimbursable	-----	GRC	SAA3-1662
305	32093	HONEYWELL INTERNATIONAL, INC	Honeywell CLEEN-II Testing in Glenn Advanced Subsonic Combustion Rig (ASCR)	12/2/2020	12/2/2025	Reimbursable	-----	GRC	SAA3-1675
306	31589	Southwest Research Institute	Great Horned Owl Demonstration and Validation Program with Southwest Research Institute	5/13/2020	5/12/2025	Non-Reimbursable	\$20,647	GRC	SAA3-1658
307	31550	Scott Schlessman	Farmer Lease for Agricultural Purpose Parcel K	4/15/2019	4/14/2024	Reimbursable	-----	GRC	PBS2019SS004
308	31546	Rockwell Farms LLC	Farmer Lease for Agricultural Purposes Parcel M	4/15/2019	4/14/2024	Reimbursable	-----	GRC	PBS2019RF005

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309	31544	Krueger Farms, LLC	Farmer Lease for Agricultural Purposes Parcel C	4/15/2019	4/14/2024	Reimbursable	----	GRC	PBS2019KF001
310	31542	David & Mary K. Schlessman	Farmer Lease for Agricultural Purposes Parcel J	4/15/2019	4/14/2024	Reimbursable	----	GRC	PBS2019DM003
311	31540	DMS Farms, LTD	Farmer Lease for Agricultural Purposes Parcel G	4/15/2019	4/14/2024	Reimbursable	----	GRC	PBS2019DM002
312	31407	OHIO DEPARTMENT OF NATURAL RESOURCES	A Series of Public Deer Hunts at Plum Brook Station	11/15/2019	11/15/2024	Non-Reimbursable	\$167,603	GRC	SAA3-1632
313	31374	GE Research	COLLABORATIVE DEVELOPMENT OF FINITE ELEMENT HPC MULTISCALE MODELING FRAMEWORK	4/30/2020	4/30/2024	Non-Reimbursable	\$157,736	GRC	SAA3-1656
314	31344	GREAT LAKES SCIENCE CENTER	The Official NASA Glenn Visitor Center	9/30/2019	9/30/2029	Non-Reimbursable	\$0	GRC	SAA3-1630
315	30756	Aerojet Rocketdyne, Inc.	Upper Stage Engine Manufacturing, Testing, and Evaluation Umbrella Agreement for Aerojet Rocketdyne, Inc.	11/18/2019	11/18/2024	Reimbursable	----	GRC	SAA3-1639

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316	30392	Rocky River Watershed Council	Restoring Lower Abram Creek at NASA Glenn Research Center	6/24/2019	6/24/2024	Non-Reimbursable	\$3,302	GRC	SAA3-1615
317	30295	THE BOEING COMPANY	Collaborative Icing Research, Simulation Tool Development and Testing Opportunities	3/12/2020	3/11/2025	Non-Reimbursable	\$59,152	GRC	SAA3-1652
318	29566	A and P Technology, Inc.	Dynamic Energy Absorption in Braided Composite Materials with A and P Technology, Inc.	6/11/2019	6/1/2024	Non-Reimbursable	\$276,623	GRC	SAA3-1612
319	29551	SureFly, Inc.	Acoustic Measurements on electrified Vertical Take-Off and Landing Urban Air Mobility Vehicle with SureFly, Inc.	8/16/2019	8/16/2024	Non-Reimbursable	\$354,701	GRC	SAA3-1597
320	28213	ROLLS-ROYCE CORP	Testing and Analysis of Advanced Turbine Engine Materials, Structures and Components	1/14/2020	1/14/2025	Reimbursable	----	GRC	SAA3-1606
321	28172	BLUE ORIGIN, LLC	Environmental Testing for Fairing Deployment at Plum Brook Station	5/20/2019	5/20/2024	Reimbursable	----	GRC	SAA3-1609-1
322	28171	BLUE ORIGIN, LLC	Environmental Testing at Plum Brook Station	5/20/2019	5/20/2024	Reimbursable	----	GRC	SAA3-1609

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323	27738	GENERAL ELECTRIC COMPANY	GE Aviation Low Pressure Ratio Fan and Inlet Technology Test	6/26/2019	6/26/2026	Reimbursable	-----	GRC	SAA3-1587
324	27174	GENERAL ELECTRIC COMPANY	GE Low Pressure Ratio Fan Test	3/28/2019	6/28/2025	Non-Reimbursable	\$8,745,725	GRC	SAA3-1588
325	20864	LEWIS LITTLE FOLKS	Lewis Little Folks Space Act Agreement	7/11/2017	7/11/2027	Non-Reimbursable	\$1,000,007	GRC	SAA3-1494
326	40070	UNITED LAUNCH ALLIANCE, LLC	Annex 15 to ULA Umbrella with Annexes for launch vehicle support	2/20/2024	2/20/2025	Reimbursable	-----	GSFC	450-AGMT-0180
327	39344	ARIZONA BOARD OF REGENTS FOR AND BEHALF OF ARIZONA STATE UNIVERSITY	MARS Atmospheric Infrared Data Analysis	3/18/2024	3/17/2025	Reimbursable	-----	GSFC	NASA-ASU-39344
328	39306	INTUITIVE MACHINES, LLC	Annex to Engineering Analysis and Testing	11/14/2023	11/14/2024	Reimbursable	-----	GSFC	SAA-XA-21-34137
329	39292	UNITED LAUNCH ALLIANCE, LLC	Annex 14 to ULA Umbrella with Annexes for launch vehicle support	9/5/2023	9/5/2024	Reimbursable	-----	GSFC	450-AGMT-0180

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330	39070	UNITED LAUNCH ALLIANCE, LLC	Annex 13 to ULA Umbrella with Annexes for launch vehicle support	8/1/2023	8/1/2024	Reimbursable	-----	GSFC	450-AGMT-0180
331	39057	Polaris MEP	LEVERAGE COLLECTIVE RESOURCES BETWEEN NASA T2X AND MEP FOR THE PURPOSE OF SUPPORTING OF US MANUFACTURERS	8/30/2023	8/30/2025	Non-Reimbursable	\$12,250	GSFC	
332	38770	Described and Captioned Media Program	DESCRIBED AND CAPTIONED MEDIA PROGRAMS MEDIA EDITING FOR DISABLED STUDENTS	6/1/2023	6/1/2026	Non-Reimbursable	\$21,000	GSFC	
333	38634	INTEL CORP	CREATING A LEARNING COMMUNITY FOR STUDENTS	6/20/2023	6/20/2026	Non-Reimbursable	\$4,276	GSFC	
334	38445	UNIVERSITY OF NORTH CAROLINA WILMINGTON	Non-Reimbursable SAA with UNCW for SOCON	4/27/2023	4/27/2028	Non-Reimbursable	\$185,000	GSFC	450-AGMT-0193
335	38242	UNITED LAUNCH ALLIANCE, LLC	Annex 12 to ULA Umbrella with Annexes for launch vehicle support	2/16/2023	2/16/2025	Reimbursable	-----	GSFC	450-AGMT-0180
336	38232	UNIVERSITY OF NOTRE DAME	Supporting Development and Operation of the ILOCATOR Spectrometer	7/12/2023	7/11/2028	Non-Reimbursable	\$69,000	GSFC	NASA-UND-38232



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337	38018	Horn Entrepreneurship	FOR DISSEMINATION OF NASA TECHNOLOGIES FOR ENTREPRENEURIAL OPPORTUNITIES AND TECHNOLOGY TRANSFER TO UNIVERSITY (T2U) FOR EDUCATIONAL UTILIZATION, STEM ENGAGEMENT, AND ANALYSIS	4/4/2023	4/4/2025	Non-Reimbursable	\$9,000	GSFC	
338	37909	Black River Innovation Campus	NONREIMBURSABLE SPACE ACT AGREEMENT FOR THE DISSEMINATION OF NASA TECHNOLOGIES FOR ENTREPRENEURIAL OPPORTUNITIES AND TECHNOLOGY TRANSFER TO UNIVERSITY (T2U) FOR EDUCATIONAL UTILIZATION AND ANALYSIS	4/5/2023	4/5/2026	Non-Reimbursable	\$28,000	GSFC	
339	37534	SCIENCE APPLICATIONS INTERNATIONAL CORPORATION	Collaboration On Women In STEAM	12/5/2022	12/5/2027	Non-Reimbursable	\$190,000	GSFC	SAA5-22-4-N37534
340	37438	UNITED LAUNCH ALLIANCE, LLC	Annex 11 to ULA Umbrella with Annexes for launch vehicle support	3/21/2023	6/8/2026	Reimbursable	----	GSFC	450-AGMT-0180
341	37412	WOMEN'S NATIONAL BASKETBALL PLAYERS ASSOCIATION	COLLABORATION ON AWARENESS OF NASA TECHNOLOGIES FOR ENTREPRENEURIAL OPPORTUNITIES.	11/15/2022	11/15/2025	Non-Reimbursable	\$112,600	GSFC	SAA5-22-4-N37412
342	37395	UNITED LAUNCH ALLIANCE, LLC	Annex 10 to ULA Umbrella with Annexes for launch vehicle support	3/21/2023	6/8/2026	Reimbursable	----	GSFC	450-AGMT-0180
343	37392	UNITED LAUNCH ALLIANCE, LLC	Annex 9 to the ULA Umbrella with Annexes for launch vehicle support	3/21/2023	6/8/2026	Reimbursable	----	GSFC	450-AGMT-0180

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344	36376	First Street Foundation	Facilitating Cooperation and Coordination around the Economical, Societal, and Physical Impacts of Current and Future Environmental Changes	7/11/2022	7/10/2027	Non-Reimbursable	\$800,000	GSFC	NASA_FS_36376
345	36365	LOUISIANA STATE UNIVERSITY	Multimessenger Operational Science Support and Astrophysics Information Collaboration (MOSSAIC)	8/1/2022	7/31/2027	Non-Reimbursable	\$51,200	GSFC	NASA-LSU-36365
346	36298	UNITED LAUNCH ALLIANCE, LLC	Annex Eight to ULA Umbrella with Annexes for launch vehicle support	6/27/2022	6/8/2026	Reimbursable	----	GSFC	450-AGMT-0180
347	36211	BLUE ORIGIN, LLC	Annex to Engineering Analysis and Testing	12/5/2022	2/8/2025	Reimbursable	----	GSFC	SAA-EA-20-29343
348	36196	UNITED LAUNCH ALLIANCE, LLC	Annex 7 to the ULA Umbrella with Annexes for Launch Vehicle support	6/27/2022	6/8/2026	Reimbursable	----	GSFC	450-AGMT-0180
349	36195	UNITED LAUNCH ALLIANCE, LLC	Annex Six to ULA Umbrella with Annexes for launch vehicle support	6/27/2022	6/8/2026	Reimbursable	----	GSFC	450-AGMT-0180
350	36118	UNITED LAUNCH ALLIANCE, LLC	Annex Five to ULA Umbrella with Annexes for launch vehicle support	6/7/2022	6/7/2026	Reimbursable	----	GSFC	450-AGMT-0180

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351	35727	THE CONRAD FOUNDATION	Annex 1: Student Activities for NASA Owned Inventions	10/24/2022	10/24/2024	Non-Reimbursable	\$14,400	GSFC	
352	35702	THE CONRAD FOUNDATION	Student Activities for NASA Owned Inventions	10/24/2022	10/24/2027	Non-Reimbursable	\$14,400	GSFC	
353	34694	HOWARD	Joint Collaborative Framework for Earth Science Studies	3/22/2022	3/21/2027	Non-Reimbursable	\$51,200	GSFC	NASA-HU-34694
354	34656	GEORGE WASHINGTON UNIVERSITY	Joint Collaborative Framework for Astrophysical Studies	10/27/2021	10/26/2026	Non-Reimbursable	\$51,200	GSFC	NASA-GWU-34656
355	34265	University of Maryland Eastern Shore	Space Exploration, Science and Engineering Research, Business, Computer Science, and STEM Initiatives	9/24/2021	9/23/2026	Non-Reimbursable	\$8,211	GSFC	GSFC-21-34265
356	34264	University of Maryland Eastern Shore	Space Exploration, Science and Engineering Research, Business, Computer Science and STEM Initiatives	9/23/2021	9/23/2026	Non-Reimbursable	\$0	GSFC	GSFC-21-34265 NRSAA Umbrella
357	34065	UNITED LAUNCH ALLIANCE, LLC	Annex 4 to ULA Umbrella with Annexes for launch vehicle support (Vulcan SNC-1)	6/7/2021	6/7/2026	Reimbursable	-----	GSFC	450-AGMT-0180

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358	34064	UNITED LAUNCH ALLIANCE, LLC	Annex 3 to ULA Umbrella with Annexes for launch vehicle support (Vulcan Peregrine)	6/7/2021	6/7/2026	Reimbursable	----	GSFC	450-AGMT-0180
359	34061	UNITED LAUNCH ALLIANCE, LLC	Annex 2 to ULA Umbrella with Annexes for launch vehicle support (Atlas V CFT)	6/7/2021	6/7/2026	Reimbursable	----	GSFC	450-AGMT-0180
360	34020	UNITED LAUNCH ALLIANCE, LLC	Annex 1 under the ULA Umbrella for launch vehicle support (Atlas V USSF-8)	6/8/2021	6/8/2026	Reimbursable	----	GSFC	450-AGMT-0180
361	34019	UNITED LAUNCH ALLIANCE, LLC	ULA Umbrella with Annexes for launch vehicle support	6/8/2021	6/8/2026	Reimbursable	----	GSFC	450-AGMT-0180
362	33525	International High School at Largo	Dissemination of NASA Technologies for Educational Entrepreneurship and Commercialization Studies by Students	4/30/2021	4/30/2024	Non-Reimbursable	\$10,500	GSFC	
363	32893	L.Garde, Inc.	Development Inflatable Communication Antenna Structures using Green Carbon Foams	4/20/2021	4/20/2024	Non-Reimbursable	\$108,100	GSFC	SAA5-20-4-N32893
364	32764	Planet Labs Inc.	Orbit Maintenance Coordination w/ GPM & Planet Labs Inc.	11/18/2020	11/18/2025	Non-Reimbursable	\$23,000	GSFC	

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365	32725	University of Texas at Austin	Annex to Outreach for Space Operations and Mission Problems	10/15/2020	6/8/2025	Non-Reimbursable	\$26,000	GSFC	SAA5-20-3-N32725-A2
366	31812	University of Texas at Austin	Outreach for Space Operations and Mission Problems	6/8/2020	6/7/2025	Non-Reimbursable	\$56,859	GSFC	31811
367	31811	University of Texas at Austin	Outreach for Space Operations and Mission Problems	6/8/2020	6/7/2025	Non-Reimbursable	\$0	GSFC	
368	31605	Earth Networks, Inc.	INFORMATION AND DATA EXCHANGE RELATED TO THE GLOBE PROGRAM	4/29/2020	4/29/2025	Non-Reimbursable	\$17,600	GSFC	SAA5-20-2-N31605
369	31191	NORTHROP GRUMMAN	ACCESS AND USE OF GSFC ENVIRONMENTAL TEST AND INTEGRATION SYSTEMS AND FACILITIES FOR COMMERCIAL PURPOSES	6/16/2020	6/15/2025	Reimbursable	----	GSFC	SAA5-19-4-R31191
370	30478	THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	Development of Teaching Activities	8/29/2019	8/28/2024	Reimbursable	----	GSFC	CU-NASA-30478
371	29833	DIGITALGLOBE, INC	Conjunction Assessment Screening Services	9/11/2019	9/11/2024	Reimbursable	----	GSFC	SAA5-19-2-R-29833

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372	25689	National Football League Players Association	COLLABORATION TO COMMERCIALIZE NASA TECHNOLOGIES	5/15/2018	5/13/2025	Non-Reimbursable	\$274,400	GSFC	SAA5-2017-3-N25689
373	37404	North Central Texas Council of Governments	annex to Advanced Air Mobility Technology Research and Demonstration Activities	12/14/2022	12/14/2025	Non-Reimbursable	\$45,000	HQ	34701
374	37403	Massachusetts Department of Transportation	annex to Advanced Air Mobility Technology Research and Demonstration Activities	12/14/2022	12/14/2025	Non-Reimbursable	\$45,000	HQ	34708
375	37402	City of Orlando	annex to Advanced Air Mobility Technology Research and Demonstration Activities	12/14/2022	12/14/2025	Non-Reimbursable	\$45,000	HQ	34710
376	36946	Ohio Department of Transportation	Annex to Advanced Air Mobility Technology Research and Demonstration Activities	12/14/2022	12/14/2025	Non-Reimbursable	\$45,000	HQ	34682
377	34711	City of Orlando	annex to Advanced Air Mobility Technology Research and Demonstration Activities	5/7/2021	5/7/2026	Non-Reimbursable	\$250,000	HQ	
378	34710	City of Orlando	Advanced Air Mobility Technology Research and Demonstration Activities	5/7/2021	5/7/2026	Non-Reimbursable	\$0	HQ	

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379	34709	Massachusetts Department of Transportation	annex to Advanced Air Mobility Technology Research and Demonstration Activities	5/7/2021	5/7/2026	Non-Reimbursable	\$250,000	HQ	
380	34708	Massachusetts Department of Transportation	Advanced Air Mobility Technology Research and Demonstration Activities	5/7/2021	5/7/2026	Non-Reimbursable	\$0	HQ	
381	34706	Minnesota Department of Transportation	annex to Advanced Air Mobility Technology Research and Demonstration Activities	5/7/2021	5/7/2026	Non-Reimbursable	\$250,000	HQ	
382	34705	Minnesota Department of Transportation	Advanced Air Mobility Technology Research and Demonstration Activities	5/7/2021	5/7/2026	Non-Reimbursable	\$0	HQ	
383	34704	North Central Texas Council of Governments	annex to Advanced Air Mobility Technology Research and Demonstration Activities	5/7/2021	5/7/2026	Non-Reimbursable	\$250,000	HQ	
384	34701	North Central Texas Council of Governments	Advanced Air Mobility Technology Research and Demonstration Activities	5/7/2021	5/7/2026	Non-Reimbursable	\$0	HQ	
385	34686	Ohio Department of Transportation	annex to Advanced Air Mobility Technology Research and Demonstration Activities	5/7/2021	5/7/2026	Non-Reimbursable	\$250,000	HQ	34682

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386	34682	Ohio Department of Transportation	Advanced Air Mobility Technology Research and Demonstration Activities	5/7/2021	5/7/2026	Non-Reimbursable	\$0	HQ	
387	40494	MICROSOFT CORPORATION	annex for THE DEVELOPMENT OF INTERACTIVE AEROSPACE AND SCIENCE THEMED STUDENT AND PUBLIC ENGAGEMENT CONTENT	3/22/2024	3/22/2027	Non-Reimbursable	\$7,500	HQ	
388	39434	University of Texas El Paso	Capstone Experiences to Benefit Cross-Disciplinary University Students	1/8/2024	1/8/2025	Non-Reimbursable	\$1,950	HQ	
389	39433	John Carroll University	Capstone Experiences to Benefit Cross-Disciplinary University Students	9/14/2023	9/14/2024	Non-Reimbursable	\$1,950	HQ	
390	39432	PRAIRIE VIEW A&M UNIVERSITY	Capstone Experiences to Benefit Cross-Disciplinary University Students - Prairie View A&M University	9/13/2023	9/13/2024	Non-Reimbursable	\$1,950	HQ	
391	37861	MICROSOFT CORPORATION	Annex 1 for Engaging Students in STEM using Minecraft	2/22/2023	2/21/2028	Non-Reimbursable	\$118,750	HQ	
392	37860	MICROSOFT CORPORATION	For Promoting STEM Education and STEM Engagement	2/24/2023	2/23/2028	Non-Reimbursable	\$0	HQ	



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393	37809	Aerospace Industries Association	Annex 1 For Engaging Elementary and Middle School Students in Rocketry	3/15/2023	2/1/2025	Non-Reimbursable	\$30,750	HQ	37809
394	37808	Aerospace Industries Association	For Increasing Access to Aerospace and Rocketry STEM Engagement Activities	3/15/2023	2/1/2027	Non-Reimbursable	\$0	HQ	
395	37299	Zozude LLC dba Institute of Competition Sciences	For Increasing Access to STEM Challenges	1/4/2023	1/4/2026	Non-Reimbursable	\$14,625	HQ	
396	37295	Code.org	For Increasing Access to Computer Science Resources for K-12 Teachers and Students	10/5/2022	10/5/2027	Non-Reimbursable	\$42,500	HQ	37295
397	37032	Pear Deck	For Increasing Access to STEM Digital Resources for K-12 Teachers	11/2/2022	11/2/2027	Non-Reimbursable	\$24,375	HQ	
398	36288	American Institute of Aeronautics and Astronautics (AIAA) Foundation	Annex 2 to NRSS Between NASA and AIAA Foundation for Increasing Access to Aerospace Education Resources	4/19/2022	4/19/2025	Non-Reimbursable	\$455,250	HQ	35587
399	36023	Crayola	Annex 1 Under Umbrella SAA between NASA and Crayola Education	4/28/2022	4/28/2027	Non-Reimbursable	\$87,572	HQ	

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400	36022	Crayola	For STEAM Education and Engagement	4/28/2022	4/28/2027	Non-Reimbursable	\$0	HQ	
401	35587	American Institute of Aeronautics and Astronautics (AIAA) Foundation	Nonreimbursable Space Act Agreement Between NASA and AIAA Foundation for Increasing Access to Aerospace Education Resources	1/12/2022	1/12/2027	Non-Reimbursable	\$0	HQ	
402	35270	The Center of Science and Industry	Nonreimbursable Space Act Agreement Between NASA and COSI for Delivering STEM Engagement to Underserved Youth Across the Nation	10/25/2021	10/25/2026	Non-Reimbursable	\$17,187	HQ	
403	33160	Oak Ridge Associated Universities, Inc.	Annex No. 1 Under Umbrella SAA for Increasing Access to STEM Engagement and STEM Education Opportunities and Experiences	12/15/2020	12/15/2025	Non-Reimbursable	\$54,375	HQ	
404	33159	Oak Ridge Associated Universities, Inc.	Umbrella Space Act Agreement for Increasing Access to STEM Engagement and STEM Education Opportunities and Experiences	12/15/2020	12/15/2025	Non-Reimbursable	\$0	HQ	
405	33145	Discovery Education, Inc.	Non-Reimbursable Space Act Agreement for K-12 STEM Engagement and Education	11/10/2020	11/10/2025	Non-Reimbursable	\$75,625	HQ	33145
406	32857	STEM Next Opportunity Fund	Annex 1 Under Umbrella Space Act Agreement for the STEM Next Million Girls Moonshot Initiative	8/27/2020	8/27/2025	Non-Reimbursable	\$247,750	HQ	32856

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407	32856	STEM Next Opportunity Fund	Umbrella Space Act Agreement for Increasing Access to STEM Engagement and STEM Education Opportunities and Experiences	8/27/2020	8/27/2025	Non-Reimbursable	\$0	HQ	32856
408	32453	Viacom International, Inc. regarding Noggin	Annex 1 Under Umbrella SAA for Artemis-Themed STEM Learning Experiences for Preschool-Aged Children and Their Families	10/20/2020	10/20/2025	Non-Reimbursable	\$142,250	HQ	32453
409	32452	Viacom International Inc. regarding Noggin	Umbrella SAA for NASA-Themed STEM Learning Experiences for Preschool-Aged Children and Their Families	10/20/2020	10/20/2025	Non-Reimbursable	\$0	HQ	32452
410	31562	U.S. SATELLITE LABORATORY, INC	Annex 1 under Umbrella SAA for Collaboration on the Endeavor Science Teaching Certificate Project	12/18/2019	12/18/2024	Non-Reimbursable	\$100,350	HQ	
411	31561	U.S. SATELLITE LABORATORY, INC	Umbrella SAA for Collaboration on Endeavor Science Teacher Certificate Project and STEM Engagement Activities	12/18/2019	12/18/2024	Non-Reimbursable	\$0	HQ	
412	38788	Peanuts Worldwide, LLC	Engagement Collaboration Annex One	7/27/2023	7/27/2028	Non-Reimbursable	\$113,421	HQ	
413	38787	Peanuts Worldwide, LLC	Peanuts Worldwide Engagement Collaboration	7/27/2023	7/27/2028	Non-Reimbursable	\$0	HQ	

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414	37443	Apple Inc.	Participation in Apple Film Project	1/23/2023	1/23/2026	Reimbursable	-----	HQ	
415	35902	Google LLC	Annex 3 to Google Education and Public Engagement Umbrella	4/18/2022	4/18/2024	Non-Reimbursable	\$30,615	HQ	23261
416	27229	RFC MEDIA, LLC	Continued Outreach Collaboration on Third Rock Radio	1/30/2020	1/29/2025	Non-Reimbursable	\$6,473	HQ	27229
417	23261	Google Inc	Google Education and Public Engagement Umbrella	9/15/2016	9/14/2024	Non-Reimbursable	\$30,615	HQ	23261
418	39555	American Camp Association	Cooperation in Participatory Science	10/25/2023	10/25/2028	Non-Reimbursable	\$350,000	HQ	
419	39549	Rocket Lab USA	Venus Mission Support	2/22/2024	2/22/2029	Non-Reimbursable	\$3,530,000	HQ	
420	36396	Environmental Systems Research Institute (ESRI)	THE DISCOVERY, ACCESS, AND USE OF LARGE EARTH SCIENCE DATASETS	11/22/2022	11/22/2027	Non-Reimbursable	\$20,000	HQ	

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421	36394	Environmental Systems Research Institute ESRI	THE DISCOVERY, ACCESS, AND USE OF LARGE EARTH SCIENCE DATASETS	11/22/2022	11/22/2027	Non-Reimbursable	\$20,000	HQ	
422	33007	SPACE EXPLORATION TECHNOLOGIES CORP	Flight Safety Coordination with NASA Assets	1/15/2021	1/15/2031	Non-Reimbursable	\$1,836,425	HQ	
423	32457	American Geophysical Union	Cooperation for AbSciCon 2022, 2024 and 2026	3/22/2022	3/22/2027	Non-Reimbursable	\$1,050,000	HQ	
424	37260	AST&SCIENCE, LLC	Flight Safety Coordination with NASA Assets	11/10/2022	11/10/2032	Non-Reimbursable	\$1,210,580	HQ	
425	36810	Therapy Materials Vault	Space Communications and Navigation Speech Therapy Materials	6/24/2022	6/9/2025	Non-Reimbursable	\$5,400	HQ	
426	35525	National Geographic Partners, LLC	Artemis Imagery	9/23/2021	9/23/2026	Non-Reimbursable	\$2,450,000	HQ	35525
427	38807	Roccor, LLC	Characterization of High Aspect Ratio Booms for Large Apertures	4/27/2023	4/27/2025	Unfunded	\$1,000,000	HQ	

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428	38806	Venturi Astrolab, Inc	Demonstrating Lunar Tire Technology Readiness	4/27/2023	4/27/2025	Unfunded	\$1,111,565	HQ	
429	38805	CANOPY AEROSPACE INC	Low-cost reusable TPS substrates as an alternative to AETB	4/27/2023	4/27/2025	Unfunded	\$687,000	HQ	
430	38804	THE BOEING COMPANY	Complex Curvature Retractable Pin Tool Friction Stir Welding Pathfinder	4/27/2023	4/27/2025	Unfunded	\$1,056,034	HQ	
431	38803	PHASE FOUR, INC	Development of an ASCENT (Advanced Spacecraft Energetic Non-Toxic) Gas Feed System for the Phase Four RF (Radio Frequency) Thruster	4/27/2023	4/27/2025	Unfunded	\$293,610	HQ	
432	38802	STRATOLAUNCH, LLC	Bringing Shuttle Orbiter TPS into the 21st Century	4/27/2023	4/27/2025	Unfunded	\$988,000	HQ	
433	38801	PSIONIC, LLC	Commercial Wind Measurement Constellation	4/27/2023	4/27/2025	Unfunded	\$506,760	HQ	
434	38800	Lockheed Martin Inc	Oscillating Heat Pipe Technology for Aeroentry and Commercial Applications (OHPACA)	4/27/2023	4/27/2025	Unfunded	\$1,016,272	HQ	

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435	38799	BLUE ORIGIN, LLC	Friction Stir Additive Manufacturing (FSAM) Enabling Cislunar/Lunar Surface Infrastructure & Capabilities	4/27/2023	4/27/2025	Unfunded	\$1,121,515	HQ	
436	38798	BLUE ORIGIN, LLC	Metallic Thermal Protection System (TPS)	4/27/2023	4/27/2025	Unfunded	\$977,857	HQ	
437	38797	MAXAR SPACE ROBOTICS LLC	Automated Robotic Assembly of the Light Bender System	4/27/2023	4/27/2025	Unfunded	\$980,000	HQ	
438	38796	AEROJET ROCKETDYNE, INC	Electrically Actuated Quick-Disconnect Coupling for Cislunar and Lunar Surface Cryogenic Propellant Transfer	4/27/2023	4/27/2025	Unfunded	\$623,036	HQ	
439	38795	AEROJET ROCKETDYNE, INC	Fully Additively-Manufactured LOX-LH2 Engine Demonstration	4/27/2023	4/27/2025	Unfunded	\$1,357,690	HQ	1
440	38792	LOCKHEED MARTIN	Friction Stir Welded Blanks for Advanced Formed Shapes	4/27/2023	4/27/2025	Unfunded	\$988,515	HQ	
441	38791	Lockheed Martin Corp	In-Space Manufacturing Technologies for Thermoplastic Composites	4/27/2023	4/27/2025	Unfunded	\$1,008,057	HQ	

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442	38790	Sierra Space Corporation	Development of Low Cost High Temperature Reusable TPS	4/27/2023	4/27/2025	Unfunded	\$375,293	HQ	
443	33818	Orbital ATK, Inc	Small Spacecraft Electric Propulsion (SSEP) System	11/6/2020	9/30/2024	Unfunded	\$998,544	HQ	STMD-SAA-ACO20-0021
444	33812	Rocket Lab USA, Inc	Proposal to the National Aeronautics and Space Administration (NASA) Space Technology Announcement of Collaborative Opportunity	11/6/2020	9/30/2025	Unfunded	\$1,725,251	HQ	STMD-SAA-ACO20-0009
445	33810	Phase Four, Inc	Lifetime Trend Testing of the Phase Four RF Thruster for Small Spacecraft Missions	11/6/2020	3/31/2025	Unfunded	\$424,161	HQ	STMD-SAA-ACO20-0056
446	33808	AEROJET ROCKETDYNE, INC	A Novel Approach to Human Exploration-Enabling Green Monopropellants for SmallSats	11/6/2020	9/30/2024	Unfunded	\$1,492,918	HQ	STMD-SAA-ACO20-0036
447	33805	SPACE EXPLORATION TECHNOLOGIES CORP	In-flight Imagery and Thermal Measurement of Starship during Orbital Reentry	11/6/2020	12/31/2024	Unfunded	\$2,390,800	HQ	STMD-SAA-ACO20-0025
448	30979	Spirit AeroSystems Inc	NRSAA Between NASA and Spirit AeroSystems Inc Under the Space Technology Announcement of Competitive Opportunity 2019, Improved Durability for a Low-Cost Reusable Launch Vehicle Manufactured via Friction Stir Welding	7/29/2019	6/30/2024	Unfunded	\$1,239,000	HQ	ACO-2019-070



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449	30963	SIERRA NEVADA CORP	NRSAA Between NASA and Sierra Nevada Corporation Under the Space Technology Announcement of Competitive Opportunity 2019, Upper Stage Recovery	7/29/2019	12/31/2024	Unfunded	\$712,413	HQ	ACO-2019-063
450	30962	SIERRA NEVADA CORP	NRSAA Between NASA and Sierra Nevada Corporation Under the Space Technology Announcement of Competitive Opportunity 2019, Scientifically Calibrated In-Flight Imagery	7/29/2019	12/31/2024	Unfunded	\$3,516,281	HQ	ACO-2019-062
451	30958	Advanced Space LLC	NRSAA Between NASA and Advance Space LLC Under the Space Technology Announcement of Competitive Opportunity 2019, Advancing Lunar Navigation Technologies to Enable Exploration and Commercial Development	7/29/2019	9/30/2024	Unfunded	\$670,696	HQ	ACO-2019-018
452	30924	SPACE SYSTEMS LORAL, LLC	NRSAA Between NASA and Space Systems Loral LLC Under the Space Technology Announcement of Competitive Opportunity 2019, Advanced Packaging Methods for Next-Generation Reflectors	7/29/2019	4/30/2024	Unfunded	\$1,280,000	HQ	ACO-2019-010
453	39484	GeoOptics, Inc.	JPL Support for GeoOptics for Advanced Gravity Mapping, GNSS Crosslink Occultations, Reflections, and Positioning	3/20/2024	3/20/2027	Reimbursable	----	JPL	
454	39209	NORTHROP GRUMMAN CORPORATION	YTHP Integration and Support for Upper Tropospheric Measurements	2/6/2024	2/6/2027	Reimbursable	----	JPL	
455	39007	Space Exploration Technologies Corp.	SpaceX Mission Radiation Effects Testing and Analysis	12/21/2023	12/21/2026	Reimbursable	----	JPL	

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456	38743	Astrobotic Technology Inc	IND Network Services in Support of Astrobotic Griffin Mission One (GM1)	8/24/2023	6/24/2025	Reimbursable	----	JPL	
457	38608	CAL POLY POMONA FOUNDATION, INC	Cross-Sector Partnerships, Experiential Learning, and Professional Development to Build Pathways to STEM Careers	10/17/2023	2/17/2025	Reimbursable	----	JPL	
458	38216	Texas A&M Engineering Experiment Station	Tractable Autonomy Models for Planning Under Uncertainty	9/26/2023	9/26/2025	Reimbursable	----	JPL	
459	37559	REGENTS OF THE UNIVERSITY OF MICHIGAN	Quantum-Enhanced Inertial Measurement Unit (QEIMU)	3/18/2024	9/30/2024	Reimbursable	----	JPL	37559
460	37446	L3Harris Technologies, Inc.	Advancing Positioning, Navigation, and Timing Technologies	3/8/2023	3/8/2026	Reimbursable	----	JPL	
461	37268	CARNEGIE MELLON UNIVERSITY	Facilitating Dynamic Adaptive Pathways for Coastal Decision-makers Through Land Ice and Water Projections	10/11/2023	10/11/2026	Reimbursable	----	JPL	
462	36861	The Regents of the University of California on behalf of the University of California, Los Angeles	Sea Level Studies for the Gulf of Mexico	3/18/2024	5/18/2026	Reimbursable	----	JPL	

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463	36647	Exoterra Resource, LLC	Development and Qualification of ExoTerra's Halo12 Hall Thruster System	7/19/2022	1/19/2026	Reimbursable	-----	JPL	
464	36173	Raytheon Company	Generation Global Positioning System (GPS) Control Segment (OCX) Transition to Operations and Sustaining Support	2/17/2022	8/31/2026	Reimbursable	-----	JPL	
465	36154	TELECOMMUNICATION SYSTEMS, INC	Assistance Global Navigation Satellite System (GNSS) Data to TeleCommunication Systems, Inc. (TCS)	2/16/2022	2/15/2025	Reimbursable	-----	JPL	
466	35792	Attollo Engineering, LLC	High-performance long-wavelength infrared detector	3/7/2022	12/7/2025	Reimbursable	-----	JPL	
467	35420	Planet Labs PBC	Carbon Plume Mapper (CPM) Technology Transfer	7/29/2022	10/31/2025	Reimbursable	-----	JPL	
468	35338	Carbon Mapper, Inc.	Carbon Plume Mapper Risk Reduction Airborne Campaign	1/13/2022	4/13/2025	Reimbursable	-----	JPL	
469	34786	MOOG, INC	JPL Integrated GPS Occultation Receiver (IGOR) Software Support for Moog BroadReach (MBR)	10/21/2021	10/21/2024	Reimbursable	-----	JPL	

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470	34396	AEROJET ROCKETDYNE, INC	A Digitally Informed Approach To Enhanced Heat Recovery Through Additive Manufacturing Of "Adaptive Thermoelectric Modules" For Energy Conversion Platforms	7/21/2021	1/21/2025	Reimbursable	-----	JPL	34396
471	34171	Carbon Mapper	Carbon Plume Mapper (CPM)	3/19/2021	10/31/2025	Reimbursable	-----	JPL	
472	34074	GENERAL DYNAMICS MISSION SYSTEMS, INC.	INTELLIGENT ULTRASONIC DRILLING TOOL (IntUDiT)	11/10/2022	5/10/2024	Reimbursable	-----	JPL	
473	34060	BATTELLE MEMORIAL INSTITUTE, INC	National Ecological Observatory Network (NEON) NEON Imaging Spectrometer (NIS) SENSOR SUPPORT	6/23/2021	6/23/2024	Reimbursable	-----	JPL	
474	34016	EMBRY-RIDDLE AERONAUTICAL UNIVERSITY	AtmoSense/AIRWaveS: Atmosphere-Ionosphere Responses to Wave Signals	8/18/2021	12/30/2024	Reimbursable	-----	JPL	
475	34008	Northeastern University	Development of Transmitters and Receivers for THz Communications	11/17/2021	5/17/2024	Reimbursable	-----	JPL	
476	33889	Raytheon Company	Next Generation GPS Control Segment (OCX) Block 3F Support	8/18/2021	3/18/2025	Reimbursable	-----	JPL	

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477	33258	Citrus College	Pathways in STEM: Cross-Sector Partnerships, Experiential Learning, and Professional Development	12/15/2020	4/27/2027	Reimbursable	----	JPL	
478	31616	ASTROBOTIC TECHNOLOGY, INC	IND Network Services Support of Astrobotic	4/15/2020	9/30/2024	Reimbursable	----	JPL	
479	29920	Photon Spot, Inc.	Superconducting Nanowire Single Photon Detector Technology Development	3/27/2019	9/2/2024	Reimbursable	----	JPL	
480	29799	HARRIS CORP	Navigation Technology Satellite-3 Geosynchronous Earth Orbit Experiment	4/10/2019	9/30/2024	Reimbursable	----	JPL	
481	28319	THE AEROSPACE CORPORATION	EMPIRICAL STUDIES OF RADIATION DAMAGE TO SPACECRAFT ELECTRONICS AND MATERIALS	5/17/2019	5/17/2024	Reimbursable	----	JPL	
482	25621	GeoOptics, Inc.	GeoOptics for Advanced Gravity Mapping and Crosslink Occultation	7/26/2017	5/31/2024	Reimbursable	----	JPL	
483	23050	NYSEARCH / Northeast Gas Association (NGA)	DEVELOP METHANE SNIFFER FOR A SMALL UNMANNED AERIAL SYSTEM (MS-SUAV)	9/6/2016	9/30/2024	Reimbursable	----	JPL	

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484	17413	Alacron, Inc.	Superlattice Doped Imaging Detectors addresses advanced development and technology transfer of back-illuminated complementary metal-oxide semiconductor (CMOS) imaging detectors using multilayer doping and antireflection (AR) coating technologies for Alacron, Inc..	8/28/2014	9/27/2026	Reimbursable	-----	JPL	
485	11998	The Boeing Company	Ionizing Radiation Evaluation of Materials and Semiconductor Devices	5/16/2012	4/1/2025	Reimbursable	-----	JPL	
486	40466	Soyuz Travel Document	Soyuz Launch Tami Baker	3/7/2024	6/7/2024	Reimbursable	-----	JSC	SAA-AA2-24-40466
487	40465	Soyuz Travel Document	Soyuz Launch Donald Baker	3/7/2024	6/7/2024	Reimbursable	-----	JSC	SAA-AA2-24-40465
488	40459	Soyuz Travel Document	Soyuz Launch Tricia Mack	3/7/2024	6/7/2024	Reimbursable	-----	JSC	SAA-AA2-24-40459
489	40348	THE TEXAS A&M UNIVERSITY SYSTEM	Annex for Surface Integration Test Facility Research	2/21/2024	2/21/2025	Non-Reimbursable	\$8,000	JSC	SAA-AD-21-35521-04
490	40263	INTUITIVE MACHINES, LLC	Technical Expertise for Entry, Descent, and Landing Systems	3/3/2024	9/30/2024	Reimbursable	-----	JSC	SAA-XA-21-34137-06

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ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
491	40148	Archer Aviation Inc.	Cylindrical Lithium-ion Cell Design Assessment and Testing to Prevent Enclosure Failures	1/19/2024	1/19/2026	Non-Reimbursable	\$455,091	JSC	SAA-EA-24-40147-01
492	40147	Archer Aviation Inc.	Collaboration and Technology Development	1/19/2024	1/19/2029	Non-Reimbursable	\$0	JSC	SAA-EA-24-40147
493	40045	Space Center Houston	FOR THE LOAN OF OSIRIS-REX SAMPLES	2/20/2024	2/20/2026	Non-Reimbursable	\$6,929	JSC	SAA-XI-24-40045
494	40044	UNIVERSITY OF ARIZONA	FOR THE LOAN OF OSIRIS-REX SAMPLES	1/17/2024	1/17/2026	Non-Reimbursable	\$6,929	JSC	SAA-XI-24-40044
495	39791	Corvid Technologies	Annex to Exchange of Technical Expertise for Commercial Space Transportation	1/8/2024	11/22/2027	Reimbursable	-----	JSC	SAA-EA-22-2237718-02
496	39775	Texas Woman's University	COLLABORATIVE RESEARCH AND STEM ENGAGEMENT ACTIVITIES	12/7/2023	12/7/2028	Non-Reimbursable	\$39,547	JSC	SAA-SA-24-39774-01
497	39774	Texas Woman's University	Collaborative Research and STEM Engagement Activities	12/7/2023	12/7/2028	Non-Reimbursable	\$0	JSC	SAA-SA-24-39774

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498	39512	TEXAS A&M UNIVERSITY SYSTEM	Annex to Collaborative Activities for Microgravity Manufacturing Concepts	1/18/2024	1/18/2025	Non-Reimbursable	\$25,408	JSC	SAA-AD-21-35521-02
499	39490	FIREFLY AEROSPACE INC.	Camera Measurement and Analysis	11/12/2023	5/12/2024	Reimbursable	----	JSC	SAA-RA-23-37611-02
500	39486	KBR WYLE SERVICES, LLC	Annex Six to the Human Health and Performance Facilities Utilization Umbrella Space Act Agreement	12/18/2023	10/31/2025	Reimbursable	----	JSC	SAA-SA-21-34167-06
501	39413	BLUE ORIGIN, LLC	Radiant Heat Testing	9/19/2023	9/19/2024	Reimbursable	----	JSC	SAA-EA-20-29343-45
502	39352	New Mexico State University	Annex with New Mexico State University for Envoy program Under Umbrella Agreement	11/30/2023	11/16/2028	Non-Reimbursable	\$76,126	JSC	SAA-AD-23-39352-01
503	39351	New Mexico State University	NASA JSC and New Mexico State University for Collaboration in Research, Technology Development and STEM activities	11/16/2023	11/16/2028	Non-Reimbursable	\$0	JSC	SAA-AD-23-39351
504	39207	BLUE ORIGIN, LLC	Annex to Conduct Thermal Vacuum Test	9/29/2023	9/29/2024	Reimbursable	----	JSC	SAA-EA-20-29343-43



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ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
505	39188	SOUTHWEST RESEARCH INSTITUTE	Fracture Analysis Capabilities for the NASGRO software program	11/21/2023	11/21/2028	Non-Reimbursable	\$253,084	JSC	SAA-EA-23-39188
506	39181	AXIOM SPACE, LLC	ESTA Testing	9/29/2023	9/29/2026	Reimbursable	-----	JSC	SAA-RA-22-36162-09
507	39033	Advanced Textiles Association	ANNEX NO. 01 BETWEEN THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LYNDON B. JOHNSON SPACE CENTER AND ADVANCED TEXTILES ASSOCIATION UNDER SPACE ACT UMBRELLA AGREEMENT	10/19/2023	10/19/2024	Non-Reimbursable	\$33,697	JSC	SAA-EA-23-39032-01
508	39032	Advanced Textiles Association	NASA PARTICIPATION IN ATA EXPOSITIONS	10/19/2023	10/19/2028	Non-Reimbursable	\$0	JSC	SAA-EA-23-39032
509	38921	Vast Space LLC	COLLABORATIONS FOR COMMERCIAL SPACE CAPABILITIES 2	6/13/2023	6/13/2028	Unfunded	\$2,701,693	JSC	
510	38920	THINKORBITAL, INC.	COLLABORATIONS FOR COMMERCIAL SPACE CAPABILITIES 2	6/13/2023	6/13/2028	Unfunded	\$2,690,228	JSC	
511	38919	SPECIAL AEROSPACE SERVICES	COLLABORATIONS FOR COMMERCIAL SPACE CAPABILITIES 2	6/13/2023	6/13/2028	Unfunded	\$1,929,191	JSC	

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ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
512	38918	SPACE EXPLORATION TECHNOLOGIES CORP	COLLABORATIONS FOR COMMERCIAL SPACE CAPABILITIES 2	6/13/2023	6/13/2028	Unfunded	\$7,401,016	JSC	
513	38917	Sierra Space Corporation	COLLABORATIONS FOR COMMERCIAL SPACE CAPABILITIES 2	6/13/2023	6/13/2028	Unfunded	\$6,828,594	JSC	
514	38916	Northrop Grumman Systems Corporation	COLLABORATIONS FOR COMMERCIAL SPACE CAPABILITIES 2	6/13/2023	6/13/2028	Unfunded	\$2,872,733	JSC	
515	38915	BLUE ORIGIN, LLC	COLLABORATIONS FOR COMMERCIAL SPACE CAPABILITIES 2	6/13/2023	6/13/2028	Unfunded	\$5,456,173	JSC	
516	38882	Paragon Space Development Corporation	Urine Pretreat: PUP System Evaluation	9/8/2023	3/8/2025	Non-Reimbursable	\$95,177	JSC	SAA-EA-23-37725-02
517	38712	OKLAHOMA STATE UNIVERSITY	NONREIMBURSABLE SPACE ACT UMBRELLA AGREEMENT BETWEEN THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LYNDON B. JOHNSON SPACE CENTER AND OKLAHOMA STATE UNIVERSITY	9/15/2023	9/15/2028	Non-Reimbursable	\$76,184	JSC	SAA-AD-23-38711-01
518	38711	OKLAHOMA STATE UNIVERSITY	NONREIMBURSABLE SPACE ACT UMBRELLA AGREEMENT BETWEEN THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LYNDON B. JOHNSON SPACE CENTER AND OKLAHOMA STATE UNIVERSITY	9/15/2023	9/15/2028	Non-Reimbursable	\$0	JSC	SAA-AD-23-38711

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ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
519	38698	WILLIAM MARSH RICE UNIVERSITY	The Future of Space Seminar	5/3/2023	5/3/2024	Non-Reimbursable	\$787	JSC	SAA-AD-22-36462-04
520	38604	DYNETICS CORP	Basic Mobility Testing	7/25/2023	6/27/2024	Reimbursable	----	JSC	SAA-AA-23-38594-01
521	38594	DYNETICS CORP	Mobility and Design Testing	6/27/2023	6/27/2024	Reimbursable	----	JSC	SAA-AA-23-38594
522	38253	BLUE ORIGIN, LLC	Planning Activities for Future Thermal Vacuum Testing Program	2/24/2023	9/30/2024	Reimbursable	----	JSC	SAA-EA-20-29343-32
523	38247	Impulse Space	annex to Reimbursable Umbrella Space Act Agreement between NASA Ames Research Center and Impulse Space for Support of Re-Entry Capsule	1/24/2024	1/24/2025	Reimbursable	----	JSC	SAA-XI-23-37684-02
524	38206	SPACE EXPLORATION TECHNOLOGIES CORP	Pharmaceutical vacuum stability	3/9/2023	3/9/2025	Non-Reimbursable	\$7,309	JSC	
525	38170	Arizona State University	ANNEX BETWEEN THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LYNDON B. JOHNSON SPACE CENTER AND ARIZONA STATE UNIVERSITY UNDER SPACE ACT UMBRELLA AGREEMENT	7/19/2023	7/14/2028	Non-Reimbursable	\$76,126	JSC	SAA-AD-23-38169-01

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ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
526	38169	Arizona State University	Nonreimbursable SAA with The Arizona Board Of Regents For And On Behalf Of Arizona State University For Human Space Exploration, Science And Engineering Research, Stem Engagement And Outreach Initiatives.	7/14/2023	7/14/2028	Non-Reimbursable	\$0	JSC	SAA-AD-23-38169
527	38016	GEORGIA INSTIUTE OF TECHNOLOGY	ANNEX BETWEEN THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LYNDON B. JOHNSON SPACE CENTER AND GEORGIA INSTITUTE OF TECHNOLOGY UNDER SPACE ACT UMBRELLA AGREEMENT	3/15/2024	3/5/2028	Non-Reimbursable	\$67,211	JSC	SAA-AD-24-38016-01
528	38015	GEORGIA INSTIUTE OF TECHNOLOGY	NONREIMBURSABLE SPACE ACT UMBRELLA AGREEMENT BETWEEN THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LYNDON B. JOHNSON SPACE CENTER AND GEORGIA INSTITUTE OF TECHNOLOGY	3/5/2024	3/5/2028	Non-Reimbursable	\$0	JSC	SAA-AD-24-38015
529	38010	Thomas Jefferson University	Collaborative Research and Educational Activities with Thomas Jefferson University	2/13/2023	2/12/2028	Non-Reimbursable	\$37,012	JSC	SAA-SA-23-38010
530	37999	Mojave Energy Systems	Liquid Desiccant Air Conditioning Project	7/13/2023	7/13/2025	Non-Reimbursable	\$45,309	JSC	37999
531	37949	University of Colorado Boulder	ANNEX BETWEEN THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LYNDON B. JOHNSON SPACE CENTER AND UNIVERSITY OF COLORADO UNDER SPACE ACT UMBRELLA AGREEMENT	7/19/2023	7/14/2028	Non-Reimbursable	\$76,126	JSC	SAA-AD-23-37948-01
532	37948	University of Colorado Boulder	NONREIMBURSABLE SPACE ACT UMBRELLA AGREEMENT BETWEEN THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LYNDON B. JOHNSON SPACE CENTER AND UNIVERSITY OF COLORADO FOR UMBRELLA AGREEMENT FOR COLLABORATIVE INITIATIVES IN RESEARCH, TECHNOLOGY DEVELOPMENT, TECHNOLOGY TRANSFER TRAINING, EDUCATION	7/14/2023	7/14/2028	Non-Reimbursable	\$0	JSC	SAA-AD-23-37948

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ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
533	37928	Arizona Board of Regents	ANNEX (01) BETWEEN THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LYNDON B. JOHNSON SPACE CENTER AND THE ARIZONA BOARD OF REGENTS, UNIVERSITY OF ARIZONA UNDER SPACE ACT UMBRELLA AGREEMENT	4/7/2023	3/13/2028	Non-Reimbursable	\$68,040	JSC	SAA-AD-23-37927-01
534	37927	Arizona Board of Regents	NONREIMBURSABLE SPACE ACT UMBRELLA AGREEMENT BETWEEN THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LYNDON B. JOHNSON SPACE CENTER AND THE ARIZONA BOARD OF REGENTS, UNIVERSITY OF ARIZONA	3/13/2023	3/13/2028	Non-Reimbursable	\$0	JSC	SAA-AD-23-37927
535	37899	SPACE EXPLORATION TECHNOLOGIES CORP	Medical Technology Demonstrations	3/23/2023	3/23/2027	Non-Reimbursable	\$79,574	JSC	SAA-SA-23-37898-01
536	37898	SPACE EXPLORATION TECHNOLOGIES CORP	Human research collaboration	3/23/2023	3/22/2028	Non-Reimbursable	\$0	JSC	SAA-SA-23-37898
537	37893	NEW MEXICO STATE UNIVERSITY	Next Generation Additive Manufacturing for Space Applications	9/28/2023	9/28/2026	Non-Reimbursable	\$22,086	JSC	SAA-EA-23-37893
538	37887	NANORACKS, LLC	REIMBURSABLE SPACE ACT AGREEMENT BETWEEN THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LYNDON B. JOHNSON SPACE CENTER AND NANORACKS, LLC, TO COLLABORATE WITH NASA TO CONDUCT COMMERCIAL ACTIVITIES ON THE INTERNATIONAL SPACE STATION	2/15/2024	2/15/2026	Reimbursable	-----	JSC	
539	37863	North East Independent School District	NEISD School Magnet Programs - STEM and space-focused curriculum	6/1/2023	6/1/2026	Reimbursable	-----	JSC	SAA-AD-23-37862-01

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ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
540	37862	North East Independent School District	North East Independent School District - Collaboration for STEM Engagement, Education, and Community Outreach Activities	6/1/2023	6/1/2028	Reimbursable	----	JSC	SAA-AD-23-37862
541	37845	Weill Medical College of Cornell University	Annex ONE under the Reimbursable Umbrella Agreement for Biomedical Analysis	8/17/2023	8/16/2028	Reimbursable	----	JSC	SAA-SA-23-37844-01
542	37844	Weill Medical College of Cornell University	Reimbursable Umbrella Agreement for Biomedical Analysis	8/17/2023	8/16/2028	Reimbursable	----	JSC	SAA-SA-23-37844
543	37829	Houston Livestock Show and Rodeo, Inc.	Reimbursable Space Act Agreement Between National Aeronautics and Space Administration Lyndon B. Johnson Space Center and Houston Livestock Show and Rodeo, Inc. for Texas High School Aerospace Scholars	5/30/2023	5/29/2024	Reimbursable	----	JSC	SAA-AD-23-37829
544	37822	VENUS AEROSPACE CORPORATION	Annex for Structural and Vibration Experimentation	4/12/2023	11/3/2025	Reimbursable	----	JSC	SAA-AA-22-37098-02
545	37784	PURDUE UNIVERSITY	ANNEX BETWEEN THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LYNDON B. JOHNSON SPACE CENTER AND PURDUE UNIVERSITY SYSTEM UNDER SPACE ACT UMBRELLA AGREEMENT	5/23/2023	5/15/2028	Non-Reimbursable	\$51,793	JSC	SAA-AD-23-37784
546	37783	PURDUE UNIVERSITY	NONREIMBURSABLE SPACE ACT UMBRELLA AGREEMENT BETWEEN THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LYNDON B. JOHNSON SPACE CENTER AND PURDUE UNIVERSITY FOR COLLABORATIVE ACTIVITES.	5/15/2023	5/15/2028	Non-Reimbursable	\$0	JSC	SAA-AD-23-37783

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547	37769	Texas Tech University System	ANNEX 01 BETWEEN THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LYNDON B. JOHNSON SPACE CENTER AND THE TEXAS TECH UNIVERSITY SYSTEM UNDER SPACE ACT UMBRELLA AGREEMENT NO. 37768	9/1/2023	8/29/2028	Non-Reimbursable	\$76,127	JSC	SAA-AD-23-37768-01
548	37768	The Texas Tech University System	Umbrella Agreement with THE TEXAS TECH UNIVERSITY SYSTEM FOR COLLABORATIVE INITIATIVES IN RESEARCH, TECHNOLOGY DEVELOPMENT, TECHNOLOGY TRANSFER TRAINING, EDUCATION AND OUTREACH.	8/29/2023	8/29/2028	Non-Reimbursable	\$0	JSC	SAA-AD-23-37768
549	37726	Paragon Space Development Corporation	Pressurized Transfer System	4/12/2023	10/12/2024	Non-Reimbursable	\$609,696	JSC	SAA-EA-23-37725-01
550	37725	Paragon Space Development Corporation	Collaboration Projects, Technology Development, and Technology Transfer	4/11/2023	4/11/2028	Non-Reimbursable	\$0	JSC	SAA-EA-23-37725
551	37683	HOUSTON LIVESTOCK SHOW AND RODEO, INC.	NONREIMBURSABLE SPACE ACT AGREEMENT BETWEEN THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LYNDON B. JOHNSON SPACE CENTER AND HOUSTON LIVESTOCK SHOW & RODEO FOR COMMUNITY RELATIONS AND EDUCATION OUTREACH ACTIVITIES	2/23/2023	2/23/2028	Non-Reimbursable	\$181,580	JSC	SAA-AD-23-37683
552	37441	CHEVAL DE FEU AEROSPACE CORPORATION, DBA LAMONT AEROSPACE	Development of Common On-orbit Research Environment (CORE)	4/10/2023	4/10/2026	Non-Reimbursable	\$66,017	JSC	SAA-XA-22-37441
553	37429	Washington University	SHOCK-RECOVERY EXPERIMENTS	6/28/2023	6/28/2025	Reimbursable	-----	JSC	SAA-XI-23-37429

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554	37410	The Procter & Gamble Company	Annex 2: Cleaning Clothing in Space	12/16/2022	8/18/2025	Non-Reimbursable	\$154,215	JSC	SAA-EA-20-31321-02
555	37378	KBR WYLE SERVICES, LLC	Annex FOUR to HUMAN HEALTH AND PERFORMANCE FACILITIES UTILIZATION	9/6/2022	10/31/2025	Reimbursable	----	JSC	SAA-SA-21-34167-04
556	37290	SPACE EXPLORATION TECHNOLOGIES CORPORATION	NASA Certification of SpaceX Pyrotechnic Materials	1/16/2023	1/16/2028	Reimbursable	----	JSC	SAA-EA-23-37290
557	37214	Sierra Space	MICROMETEROID AND ORBITAL DEBRIS SHIELDING DEVELOPMENT	4/11/2023	10/11/2024	Reimbursable	----	JSC	SAA-XI-23-37214
558	37124	BAY AREA HOUSTON ECONOMIC PARTNERSHIP	Cooperative and Community Outreach Activities	10/7/2022	10/6/2027	Non-Reimbursable	\$286,194	JSC	SAA-AD-22-37124
559	37113	AXIOM SPACE, INC.	Sabatier Subject Matter Expertise	9/14/2022	2/28/2025	Reimbursable	----	JSC	SAA-RA-22-36162-03
560	37099	VENUS AEROSPACE CORPORATION	Hypersonic Aircraft and Rocket Propulsion Research and Development	12/5/2022	12/5/2024	Reimbursable	----	JSC	SAA-AA-22-37098-01



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561	37098	VENUS AEROSPACE CORPORATION	HYPERSONIC AIRCRAFT & ROCKET PROPULSION RESEARCH, DEVELOPMENT, AND COLLABORATION	11/3/2022	11/3/2025	Reimbursable	-----	JSC	SAA-AA-22-37098
562	37042	UNIVERSITY OF TEXAS AT EL PASO	Digital Engineering Design Center	1/30/2023	1/30/2025	Non-Reimbursable	\$790,712	JSC	SAA-EA-23-37041-01
563	37041	UNIVERSITY OF TEXAS AT EL PASO	Collaborative Initiatives in Research, Technology Development, Technology Transfer, Education and Outreach	1/30/2023	1/30/2028	Non-Reimbursable	\$0	JSC	SAA-EA-23-37041
564	37016	BLUE ORIGIN, LLC	MMOD Annex to Engineering Analysis and Testing	9/21/2022	9/21/2024	Reimbursable	-----	JSC	SAA-EA-20-29343-21
565	36940	KBR WYLE SERVICES, LLC	Annex FIVE to Human Health and Performance Facilities Utilization Reimbursable SAA	10/12/2022	10/31/2025	Reimbursable	-----	JSC	SAA-SA-21-34167-05
566	36832	Pioneer Astronautics	Clear Dust Repelling Coating Testing	7/22/2022	7/22/2025	Non-Reimbursable	\$8,328	JSC	SAA-XA-22-36832
567	36822	Electric Power Systems	Safe Lithium-ion Cells	10/14/2022	10/14/2027	Reimbursable	-----	JSC	SAA-EA-22-36822

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568	36811	INTUITIVE MACHINES, LLC	Modal Propellant Gauge Avionics and Flight	8/24/2022	8/24/2025	Non-Reimbursable	\$48,445	JSC	SAA-EA-22-36811
569	36759	BLUE ORIGIN, LLC	Window Design and Development Expertise and Planning	8/1/2022	2/8/2025	Reimbursable	----	JSC	SAA-EA-20-29343-18
570	36724	WILLIAM MARSH RICE UNIVERSITY	Annex to further synergistic educational initiatives	7/14/2022	7/14/2027	Non-Reimbursable	\$68,656	JSC	1
571	36723	WILLIAM MARSH RICE UNIVERSITY	The Ion STEM Dissemination Program	7/14/2022	7/14/2027	Non-Reimbursable	\$0	JSC	SAA-XA-22-36723
572	36635	KBR WYLE SERVICES, LLC	Annex THREE to HUMAN HEALTH AND PERFORMANCE FACILITIES UTILIZATION	7/7/2022	10/31/2025	Reimbursable	----	JSC	SAA-SA-21-34167-03
573	36612	AXIOM SPACE, INC.	Propulsion Systems Design Consulting, Analysis, and Test Support	8/4/2022	2/4/2026	Reimbursable	----	JSC	SAA-RA-22-36162-02
574	36519	TEXAS PARKS AND WILDLIFE DEPARTMENT	Non-Reimbursable Space Act Agreement With Texas Parks And Wildlife Department	6/28/2022	10/1/2026	Non-Reimbursable	\$8,218	JSC	SAA-JA-22-36519

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ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
575	36471	Texas Southern University	Technology Research Initiatives	7/8/2022	7/8/2027	Non-Reimbursable	\$0	JSC	SAA-XA-22-36471
576	36465	THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON, ON BEHALF OF ITS SCHOOL OF PUBLIC HEALTH	Annex-1 Under Nonreimbursable Umbrella SAA Between NASA JSC and the UT Health Science Center at Houston, on Behalf of its School of Public Health, for Research and Educational Activities	9/22/2022	9/21/2027	Non-Reimbursable	\$20,175	JSC	SAA-SA-22-36464-01
577	36464	THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER	Nonreimbursable Umbrella Space Act Agreement Between NASA JSC and the UT Health Science Center at Houston, on Behalf of its School of Public Health for Research and Education	9/22/2022	9/21/2027	Non-Reimbursable	\$0	JSC	SAA-SA-22-36464
578	36463	WILLIAM MARSH RICE UNIVERSITY	Annex-1 Nonreimbursable Space Act Agreement Between the National Aeronautics and Space Administration Lyndon B. Johnson Space Center and William Marsh Rice University for Collaborative Research, Education and Outreach Activities	8/22/2022	8/17/2027	Non-Reimbursable	\$49,122	JSC	SAA-AD-22-36462-01
579	36462	WILLIAM MARSH RICE UNIVERSITY	Nonreimbursable Space Act Umbrella Agreement Between the National Aeronautics and Space Administration Lyndon B. Johnson Space Center and William Marsh Rice University for Collaborative Research, Education and Outreach Activities	8/18/2022	8/17/2027	Non-Reimbursable	\$0	JSC	SAA-AD-22-36462
580	36438	SPACE EXPLORATION TECHNOLOGIES CORPORATION	NON-NASA MISSIONS AND COMMERCIAL SPACE SYSTEM DEVELOPMENTS	8/25/2022	7/14/2026	Reimbursable	-----	JSC	SAA-UA-21-34284-02
581	36359	INTUITIVE MACHINES, LLC	Loan of Propellant Tanks	5/2/2022	5/2/2024	Non-Reimbursable	\$2,791	JSC	SAA-EA-22-36359

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582	36332	The Methodist Hospital	Nonreimbursable Space Act Agreement Between The National Aeronautics and Space Administration Lyndon B. Johnson Space Center and The Methodist Hospital for Orthopedic Sports Medicine Collaboration	7/5/2022	7/5/2027	Non-Reimbursable	\$106,330	JSC	SAA-SA-22-36332
583	36303	National Geographic Partners L.L.C.	Orion Artemis II National Geographic vehicle integration	3/26/2024	3/26/2026	Reimbursable	----	JSC	SAA-GA-23-36303
584	36260	Science Applications International Corporation	Annex Three for Failure Analysis Testing in the Receiving Inspection and Test Facility (RITF)	4/11/2022	5/31/2024	Reimbursable	----	JSC	SAA-NA-20-30535
585	36259	Science Applications International Corporation	Annex Two for Workmanship Training Classes in the Receiving Inspection and Test Facility (RITF)	3/29/2022	5/31/2024	Reimbursable	----	JSC	SAA-NA-20-30535
586	36217	Colgate-Palmolive Company	COLLABORATION ON HUMAN PERFORMANCE, INNOVATION & SUSTAINABILITY	5/23/2022	5/23/2027	Non-Reimbursable	\$166,285	JSC	SAA-OZ-22-36217
587	36178	Web Vision Centers Group, LLC	Vision diagnostics, testing techniques and devices	9/19/2022	9/18/2027	Non-Reimbursable	\$87,228	JSC	SAA-SA-22-36178
588	35889	TEXAS A&M ENGINEERING EXPERIMENT STATION	Robotics and Related Technologies	4/26/2023	4/26/2025	Reimbursable	----	JSC	SAA-EA-23-35888-01

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589	35888	TEXAS A&M ENGINEERING EXPERIMENT STATION	Collaborative Technology Development, Innovation, and Research	4/24/2023	4/24/2028	Reimbursable	-----	JSC	SAA-EA-23-35888
590	35807	BLUE ORIGIN, LLC	Commercial Destinations - Free Flyer Phase 1 (Blue Origin)	12/1/2021	12/1/2026	Funded	\$130,000,000	JSC	JSC-UA-21-35807
591	35805	NANORACKS, LLC	Commercial Destinations - Free Flyer Phase 1 (Nanoracks)	12/1/2021	12/1/2026	Funded	\$160,000,000	JSC	JSC-UA-21-35805
592	35689	BLUE ORIGIN, LLC	Lunar Lander System Technologies	12/13/2021	12/13/2024	Reimbursable	-----	JSC	SAA-EA-22-35689
593	35680	KBR WYLE SERVICES, LLC	Annex Two NASA NEUTRAL BUOYANCY LABORATORY FACILITY USAGE AGREEMENT	12/6/2021	10/31/2025	Reimbursable	-----	JSC	SAA-SA-21-34167-02
594	35557	Texas A&M Engineering Experiment Station	Reimbursable Space Act Agreement Between National Aeronautics and Space Administration and Texas A&M Engineering Experiment Station for Texas Aerospace Scholars	3/25/2022	8/31/2025	Reimbursable	-----	JSC	SAA-AD-22-35557
595	35522	TEXAS A&M UNIVERSITY SYSTEM	Collaborative Activities	5/3/2022	5/3/2024	Non-Reimbursable	\$122,668	JSC	SAA-AD-21-35522-01

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596	35521	TEXAS A&M UNIVERSITY SYSTEM	Collaborative Activities	5/3/2022	5/3/2025	Non-Reimbursable	\$0	JSC	SAA-AD-21-35521
597	35459	Passaic County Technical-Vocational Schools	Programs to inspire the next generation of explorers through hands-on projects for high school students.	3/7/2022	3/6/2027	Non-Reimbursable	\$14,420	JSC	SAA-OA-22-35459
598	35410	CYPRESS FAIRBANKS INDEPENDENT SCHOOL DISTRICT	Programs to inspire the next generation of explorers through hands-on projects for high school students.	11/10/2021	11/9/2026	Non-Reimbursable	\$73,892	JSC	SAA-OA-22-35410
599	35408	CONROE INDEPENDENT SCHOOL DISTRICT	Programs to inspire the next generation of explorers through hands-on projects for high school students.	12/13/2021	12/12/2026	Non-Reimbursable	\$67,949	JSC	SAA-OA-22-35408
600	35401	CLEAR CREEK INDEPENDENT SCHOOL DISTRICT	Programs to inspire the next generation of explorers through hands-on projects for high school students.	12/13/2021	12/12/2026	Non-Reimbursable	\$61,699	JSC	SA-OA-22-35401
601	35285	UNIVERSITY OF HOUSTON	FOR HANDLING OF HISTORIC SPACEFLIGHT DOCUMENTS	8/11/2022	8/11/2027	Non-Reimbursable	\$11,349	JSC	SAA-XA-21-35285
602	34689	Texas A&M Engineering Experiment Station	Lunar Surface Payload / Early Prototype Testing of Dust Sensor	3/24/2022	3/24/2025	Non-Reimbursable	\$307,406	JSC	SAA-EA-22-34689

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603	34659	Walter Dorwin Teague Associates, Inc.	Habitat Layout Trade Studies for Analog Missions and Concepts	7/21/2021	7/21/2026	Non-Reimbursable	\$5,303	JSC	SAA-EA-21-34659
604	34641	BAY AREA EMERGENCY RESPONDERS	RECIPROCAL USE OF EMERGENCY OPERATIONS CENTERS	6/23/2022	6/23/2027	Non-Reimbursable	\$1,000	JSC	SAA-JA-21-34641
605	34640	UNIVERSITY OF HOUSTON	STEM Engagement Activities for Pre-Service Teachers	12/15/2021	12/15/2024	Non-Reimbursable	\$233,082	JSC	SAA-AD-22-34640-01
606	34314	Orbit Fab, Inc.	Small Satellite Proximity Operations & Refueling Technologies	6/7/2021	6/7/2025	Non-Reimbursable	\$10,311	JSC	SAA-EA-21-34314
607	34284	SPACE EXPLORATION TECHNOLOGIES CORPORATION	COMMERCIAL SPACE SYSTEM OPERATIONS AND DEVELOPMENTS	7/14/2021	7/14/2026	Reimbursable	----	JSC	SAA-UA-21-34284
608	34173	UNIVERSITY OF HOUSTON	Non-Reimbursable Space Act Umbrella Agreement for Collaborative initiatives in research, technology development, technology transfer training, education and outreach	1/14/2022	1/13/2027	Non-Reimbursable	\$0	JSC	SAA-AD-22-34173
609	34168	KBR WYLE SERVICES, LLC	ANNEX ONE for HUMAN HEALTH AND PERFORMANCE FACILITIES UTILIZATION	5/26/2021	10/31/2025	Reimbursable	----	JSC	SAA-SA-21-34167-01

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610	34167	KBR WYLE SERVICES, LLC	HUMAN HEALTH AND PERFORMANCE FACILITIES UTILIZATION	5/26/2021	10/31/2025	Reimbursable	----	JSC	SAA-SA-21-34167
611	34137	INTUITIVE MACHINES, LLC	Engineering Analysis and Testing	5/26/2021	5/26/2026	Reimbursable	----	JSC	SAA-XA-21-34137
612	33921	Bridgerland Technical College	Programs to inspire the next generation of explorers through hands-on projects for high school students.	10/20/2021	10/19/2026	Non-Reimbursable	\$3,139	JSC	SAA-OA-22-33921
613	33915	Highlands College Of Montana Tech	Programs to inspire the next generation of explorers through hands-on projects for high school students.	10/13/2021	10/12/2026	Non-Reimbursable	\$3,138	JSC	SAA-OA-22-33915
614	33880	COUNTY COLLEGE OF MORRIS	Programs to inspire the next generation of explorers through hands-on projects for high school students.	10/20/2021	10/19/2026	Non-Reimbursable	\$3,138	JSC	SAA-OA-22-33880
615	33879	TRI COUNTY REGIONAL VOCATIONAL SCHOOL DISTRICT	Programs to inspire the next generation of explorers through hands-on projects for high school students.	10/18/2021	10/18/2026	Non-Reimbursable	\$3,139	JSC	SAA-OA-22-33879
616	33878	BILLINGS PUBLIC SCHOOLS	Programs to inspire the next generation of explorers through hands-on projects for high school students.	11/8/2021	11/7/2026	Non-Reimbursable	\$3,139	JSC	SAA-OA-22-33878



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617	33869	LINCOLN TECHNICAL INSTITUTE	LINCOLN TECHNICAL INSTITUTE STUDENTS COLLABORATING WITH NASA UNDER THE HUNCH PROGRAM	10/20/2021	10/19/2026	Non-Reimbursable	\$3,139	JSC	SAA-OA-20-33869
618	33848	Amateur Radio on the International Space Station - USA	Amateur Radio on the ISS	3/23/2021	3/23/2026	Reimbursable	----	JSC	
619	33744	Canyon Ridge High School	Programs to inspire the next generation of explorers through hands-on projects for high school students.	8/12/2021	8/11/2026	Non-Reimbursable	\$61,713	JSC	SAA-OA-20-33744
620	33709	Expanding Frontiers	Technology Utilization	6/28/2021	6/28/2024	Non-Reimbursable	\$0	JSC	SAA-XB-21-33709
621	33505	Mass Challenge Houston	COOPERATIVE SPACE COMMERCIALIZATION ACTIVITIES	4/30/2021	4/30/2024	Non-Reimbursable	\$0	JSC	SAA-XA-20-33505
622	33386	Houston Cinema Arts Society	Houston Cinema Arts Society (HCAS) CineSpace	10/24/2021	10/24/2026	Non-Reimbursable	\$619,202	JSC	
623	32919	UNIVERSITY OF TEXAS MEDICAL BRANCH	UTMB DIETETIC STUDENT EXPERIENCE AT NASA	8/12/2020	8/12/2025	Non-Reimbursable	\$37,971	JSC	32919

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624	32778	Planet	ISS and Planet Operational Agreement	1/5/2021	1/4/2026	Non-Reimbursable	\$42,065	JSC	SAA-CA-21-32778
625	32760	Cheval de Feu Aerospace Corporation, dba LaMont Aerospace	FOR LOW-EARTH ORBIT COMMERCIAL SERVICES DEVELOPMENT	2/11/2021	2/10/2026	Non-Reimbursable	\$25,020	JSC	SAA-OZ-21-32760
626	32738	Limitless Space Institute	Advanced Power and Propulsion Partnership	4/18/2021	4/18/2026	Reimbursable	-----	JSC	SAA-EA-21-32738
627	32690	ARMAND BAYOU NATURE CENTER	Environmental Education Programs	7/23/2020	7/23/2025	Non-Reimbursable	\$19,075	JSC	SAA-JA-32690
628	32418	UNIVERSITY OF TEXAS	Collaboration in Robotics Technology	4/10/2020	3/10/2025	Non-Reimbursable	\$130,206	JSC	SAA-EA-20-32418
629	32319	Adidas America, Inc	Annex One for Collaboration on Materials and Technologies	6/16/2020	6/16/2025	Non-Reimbursable	\$10,458	JSC	SAA-OA-20-32319-01
630	32253	TECHSHOT, INC	TECHSHOT ISS RESEARCH HARDWARE	5/29/2020	5/29/2025	Non-Reimbursable	\$24,483	JSC	SAA-OZ-20-32253

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631	32236	Adidas America, Inc	COLLABORATION ON ADVANCED MATERIALS AND TECHNOLOGIES	6/16/2020	6/16/2025	Non-Reimbursable	\$0	JSC	SAA-OA-20-32236
632	32208	Baylor University	Baylor University and NASA Collaboration to Enhance Imagery from Space	1/15/2021	1/15/2026	Non-Reimbursable	\$60,708	JSC	
633	32079	WOUNDED WARRIOR PROJECT	HOUSTON SOLDIER RIDE	3/31/2020	3/31/2025	Non-Reimbursable	\$7,270	JSC	SAA-JA-20-32079
634	32042	Baylor University	SPACE IMAGERY AND OUTREACH TECHNOLOGIES, SCIENCE AND ENGINEERING RESEARCH, AND STEM INITIATIVES.	1/15/2021	1/15/2026	Non-Reimbursable	\$0	JSC	SAA-OA-20-32042
635	32031	JOHNSON SPACE CENTER RADIO CONTROL CLUB	NON-REIMBURSABLE SPACE ACT FOR RADIO CONTROLLED AIRPLANE OPERATIONS	5/7/2020	5/7/2025	Non-Reimbursable	\$6,061	JSC	SAA-JA-20-32031
636	31987	Chemring Energetic Devices	Development of Next Generation Ordnance Initiating System Architecture & Design	7/20/2020	7/20/2025	Non-Reimbursable	\$201,686	JSC	SAA-EA-20-31987
637	31729	TECHNOLOGY COLLABORATION CENTER	Collaboration & Partnership Development Initiative	8/11/2020	4/20/2024	Non-Reimbursable	\$138,761	JSC	SAA-XA-20-31729

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638	31717	VIRGIN GALACTIC, LLC	Virgin Galactic Private Astronaut Mission	5/15/2020	5/15/2025	Non-Reimbursable	\$27,095	JSC	SAA-OA-20-31717
639	31714	TEXAS INSTRUMENTS, INC	Non-Reimbursable Space Act Umbrella Agreement for Strategic Alliance for STEM Engagement and Outreach Activities	3/17/2020	3/17/2025	Non-Reimbursable	\$0	JSC	SAA-AD-20-31714
640	31386	UNIVERSITY OF ILLINOIS	Aero-capture and Atmospheric Entry, Descent, and Landing Guidance, Navigation, and Control (GN&C)	2/28/2020	2/28/2025	Non-Reimbursable	\$29,056	JSC	SAA-EA-20-31386
641	31321	The Procter & Gamble Company	Cleaning in Space	8/18/2020	8/18/2025	Non-Reimbursable	\$0	JSC	SAA-EA-20-31321
642	31150	UNIVERSITY OF TEXAS	Hypersonic Environment and Material Response Testing and Research	3/10/2020	3/10/2025	Non-Reimbursable	\$81,372	JSC	SAA-EA-20-31150
643	31149	UNIVERSITY OF TEXAS	Collaborative Research, Technology Transfer, Education and Outreach Activities	3/10/2020	3/10/2025	Non-Reimbursable	\$0	JSC	SAA-EA-20-31149
644	31124	HOUSTON INDEPENDENT SCHOOL DISTRICT	Annex 02 to Reimbursable Space Act Agreement for Collaboration for STEM Engagement, Education, and Community Outreach Activities	11/15/2019	6/30/2024	Reimbursable	-----	JSC	SAA-AD-18-27594-02

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645	31088	Meridian Technology Center	Programs to inspire the next generation of explorers through hands-on projects for high school students.	8/12/2021	8/12/2026	Non-Reimbursable	\$22,752	JSC	SAA-OA-21-31088
646	31078	Oliver Ames High School	Programs to inspire the next generation of explorers through hands-on projects for high school students.	8/12/2021	8/12/2026	Non-Reimbursable	\$16,206	JSC	SAA-OA-21-31078
647	30784	WILLIAM MARSH RICE UNIVERSITY	HUMANOID ROBOTICS AND RELATED TECHNOLOGIES	3/10/2020	3/10/2025	Reimbursable	-----	JSC	SAA-EA-20-30784
648	30783	WILLIAM MARSH RICE UNIVERSITY	COLLABORATIVE TECHNOLOGY DEVELOPMENT, INNOVATION, AND RESEARCH	3/10/2020	3/10/2025	Reimbursable	-----	JSC	SAA-EA-20-30783
649	30679	NANORACKS, LLC	OPERATION OF THE NANORACKS SYSTEM ABOARD THE INTERNATIONAL SPACE STATION	7/31/2019	7/31/2024	Non-Reimbursable	\$24,597	JSC	
650	30535	Science Applications International Corporation	Reimbursable Umbrella Agreement between NASA JSC and SAIC	2/10/2020	5/31/2024	Reimbursable	-----	JSC	SAA-NA-20-30535
651	30388	Katy Independent School District	MEMORANDUM OF AGREEMENT BETWEEN THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LYNDON B. JOHNSON SPACE CENTER AND KATY INDEPENDENT SCHOOL DISTRICT FOR NASA CONTINUITY OF OPERATIONS PROGRAM	9/30/2019	9/30/2024	Non-Reimbursable	\$0	JSC	SAA-JA-20-30388

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652	30119	GENERAL MOTORS, LLC	Engineering Analysis and Testing for Advanced Technology Development	1/27/2020	1/27/2025	Reimbursable	-----	JSC	SAA-EA-19-30119
653	29865	Manned Space Flight Education Foundation, Inc.	NON-REIMBURSABLE SAA WITH MANNED SPACEFLIGHT EDUCATION FOUNDATION, INC. FOR COLLABORATIVE EDUCATION AND OUTREACH ACTIVITIES	7/15/2019	7/15/2024	Non-Reimbursable	\$3,095	JSC	SAA-AD-19-29865
654	29823	Underwriters Laboratories Inc.	Engineering Analysis and Testing for Advanced Technology Development	7/3/2019	7/3/2024	Reimbursable	-----	JSC	SAA-EA-19-29823
655	29812	RED.com, Inc.	RED Digital Cinema Core Camera for ISS	1/23/2020	1/23/2025	Non-Reimbursable	\$1,271,505	JSC	29812
656	29741	Ogemaw Heights High School	HIGH SCHOOL STUDENTS COLLABORATING WITH NASA TO PRODUCE HARDWARE OR OTHER USEFUL PRODUCTS UNDER THE HUNCH (HIGH SCHOOL STUDENTS UNITED WITH NASA TO CREATE HARDWARE) PROGRAM	9/23/2021	9/22/2026	Non-Reimbursable	\$6,516	JSC	SAA-OA-21-29741
657	29738	Delta Schoolcraft Intermediate School District	High School Students United with NASA to Create Hardware (HUNCH)	9/24/2021	9/23/2026	Non-Reimbursable	\$6,516	JSC	SAA-OA-19-29738
658	29736	Harris County Sheriff's Office	Performance of Training Events for First Responders at the Neutral Buoyancy Laboratory	8/25/2020	8/25/2025	Reimbursable	-----	JSC	SAA-CA-20-29736

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659	29511	The Cannon	MARS SHOT ACCELERATION PROGRAM	6/28/2022	6/28/2024	Non-Reimbursable	\$18,882	JSC	SAA-XT-19-29511
660	29456	Houston Exponential	Cooperative Community Outreach Activities	6/6/2019	6/6/2024	Non-Reimbursable	\$227,792	JSC	SAA-XA-19-29456
661	29366	Axiom Space, Inc.	Flight Operations Directorate Axiom Training	9/23/2019	8/27/2024	Reimbursable	----	JSC	SAA-OA-19-29366-01
662	29365	Axiom Space, Inc.	Low-Earth Orbit Commercial Development Utilizing the ISS	8/27/2019	8/27/2024	Reimbursable	----	JSC	SAA-19-OA-29365
663	29343	BLUE ORIGIN, LLC	Engineering Analysis and Testing	2/8/2020	12/31/2025	Reimbursable	----	JSC	SAA-EA-20-29343
664	28973	SGT, LLC	NASA JSC/SGT Vendor Partner Agreement	9/10/2019	9/10/2024	Reimbursable	----	JSC	SAA-CA-19-28973
665	28527	N-SCIENCE, INC	Asteroid Exploration Mission Concept Development	8/20/2019	8/20/2025	Non-Reimbursable	\$12,395	JSC	SAA-XA-19-28527

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666	28378	BiVACOR Inc.	SAFETY, RELIABILITY, AND ENGINEERING ANALYSES OF THE BIVACOR TOTAL ARTIFICIAL HEART	10/1/2019	10/1/2024	Reimbursable	-----	JSC	SAA-NA-20-28378
667	27894	Space Family Education, Inc	Aaron Cohen Child Care Center	6/27/2019	6/27/2024	Non-Reimbursable	\$2,034,364	JSC	SAA-XA-18-27894
668	27634	University of Houston-Clear Lake	Umbrella for Collaborative Research, Technology Transfer, and Education Activities	8/23/2019	8/23/2024	Non-Reimbursable	\$0	JSC	SAA-XA-19-27634
669	27594	HOUSTON INDEPENDENT SCHOOL DISTRICT	Reimbursable Space Act Umbrella Agreement for the Collaboration for STEM Engagement, Education, and Community Outreach Activities	8/28/2018	6/30/2024	Reimbursable	-----	JSC	SAA-AD-18-27594
670	26023	Raytheon Intelligence, Information and Services	Annex 5 Authorizing Clean Room, Animation, Manufacturing, and Other General Commercialization Activities Under the Neutral Buoyancy Laboratory (NBL) Operations Contract (NOC)	10/18/2017	9/30/2024	Reimbursable	-----	JSC	SAA-CA-17-26023-5
671	26021	Raytheon Intelligence, Information and Services	Annex 4 Authorizing Support for Department of Defense Diving and Other Commercialization Activities Under the Neutral Buoyancy Laboratory (NBL) Operations Contract (NOC)	9/27/2017	9/30/2024	Reimbursable	-----	JSC	SAA-CA-17-26021-04
672	26017	Raytheon Intelligence, Information and Services	Annex 3 Authorizing Remotely Operated Vehicles (ROVs) and Autonomous Underwater Vehicles (AUVs) Commercialization Activities Under the Neutral Buoyancy Laboratory (NBL) Operations Contract (NOC)	9/27/2017	9/30/2024	Reimbursable	-----	JSC	SAA-CA-17-26017-03



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673	26016	Raytheon Intelligence, Information and Services	Annex 2 Authorizing Non-Destructive Testing Commercialization Activities Under the Neutral Buoyancy Laboratory (NBL) Operations Contract (NOC)	9/27/2017	9/30/2024	Reimbursable	-----	JSC	SAA-CA-17-26016-02
674	26007	Raytheon Intelligence, Information and Services	Annex 1 Authorizing Safety, Survival, Emergency Response, and Leadership Training as Commercialization Activities Under the Neutral Buoyancy Laboratory (NBL) Operations Contract (NOC)	9/27/2017	9/30/2024	Reimbursable	-----	JSC	SAA-CA-17-26007-01
675	26006	Raytheon Intelligence, Information and Services	Umbrella Agreement Authorizing Commercialization Activities Under the Neutral Buoyancy Laboratory (NBL) Operations Contract (NOC) Contract	9/27/2017	9/30/2024	Reimbursable	-----	JSC	SAA-CA-17-26006
676	16521	The Houston Zoo	Attwater's Prairie Chicken Project	5/12/2014	5/12/2024	Non-Reimbursable	\$46,152	JSC	SAA-JA-13-16521
677	40677	BRIGHAM YOUNG UNIVERSITY	KCA-4779 Rev Basic, License between NASA KSC and Brigham Young University for Use of NASA Facilities	3/28/2024	4/11/2024	Reimbursable	-----	KSC	KCA-4779 Rev Basic
678	40318	BLUE ORIGIN FLORIDA, LLC	KCA-4774-1 Rev Basic Reimbursable Annex Between National Aeronautics and Space Administration Kennedy Space Center and Blue Origin LLC Under Space Act Umbrella Agreement KCA-4774	3/7/2024	3/6/2029	Reimbursable	-----	KSC	KCA-4774-1 Rev Basic
679	40317	BLUE ORIGIN FLORIDA, LLC	KCA-4774 Rev Basic Reimbursable Umbrella Agreement Between National Aeronautics and Space Administration Kennedy Space Center and Blue Origin LLC for Engineering and Testing Support for the Space Resources Program	3/7/2024	3/6/2029	Reimbursable	-----	KSC	KCA-4774 Rev Basic

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680	40090	NEW CINGULAR WIRELESS PCS, LLC	KCA-4768 Rev. Basic Reimbursable Space Act Agreement (RSAA) between NASA KSC and New Cingular Wireless PCS, LLC for Electricity Service	3/21/2024	3/20/2029	Reimbursable	-----	KSC	KCA-4768 Rev Basic
681	40041	BLUE ORIGIN FLORIDA, LLC	KCA-4744-5 Rev Basic, Annex 5 under Fully Reimbursable Space Act Umbrella Agreement for Use of Kennedy Space Center Capabilities	12/1/2023	11/28/2028	Reimbursable	-----	KSC	KCA-4744-5 Rev Basic
682	40039	BLUE ORIGIN FLORIDA, LLC	KCA-4744-4 Rev Basic, Annex 4 under Fully Reimbursable Space Act Umbrella Agreement for Use of Kennedy Space Center Capabilities	12/1/2023	11/28/2028	Reimbursable	-----	KSC	KCA-4744-4 Rev Basic
683	40038	BLUE ORIGIN FLORIDA, LLC	KCA-4744-3 Rev Basic, Annex 3 under Fully Reimbursable Space Act Umbrella Agreement for Use of Kennedy Space Center Capabilities	12/1/2023	11/28/2028	Reimbursable	-----	KSC	KCA-4744-3 Rev Basic
684	40037	BLUE ORIGIN FLORIDA, LLC	KCA-4744-2 Rev Basic, Annex 2 under Fully Reimbursable Space Act Umbrella Agreement for Use of Kennedy Space Center Capabilities	12/1/2023	11/28/2028	Reimbursable	-----	KSC	KCA-4744-2 Rev Basic
685	39915	Engineering Research and Consulting, Inc.	KCA-4740-7 Rev. Basic, Annex 7 to KCA-4740, Rev Basic Umbrella Reimbursable Space Act Agreement (RSAA) with Engineering Research and Consulting, Inc. (ERC) for Contractor 3rd Party Work (C3PW)	12/6/2023	9/30/2024	Reimbursable	-----	KSC	KCA-4740-7 Rev Basic
686	39810	CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS	KCA-4739 Rev. Basic Reimbursable Space Act Agreement (RSAA) between NASA KSC and Verizon for Electricity Service	11/27/2023	11/26/2028	Reimbursable	-----	KSC	KCA-4739 Rev Basic

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687	39692	UNIVERSITY OF FLORIDA BOARD OF TRUSTEES	KCA-4761-1 Rev Basic, Annex Between KSC and University of Florida Under Non-Reimbursable Space Act Umbrella Agreement No. KCA-4761	12/8/2023	12/7/2028	Non-Reimbursable	\$57,758	KSC	KCA-4761-1 Rev Basic
688	39691	UNIVERSITY OF FLORIDA BOARD OF TRUSTEES	KCA-4761 Rev Basic, Nonreimbursable Space Act Umbrella Agreement between KSC and University of Florida for Collaborative Research, Technology Transfer, Academic Engagement, and Outreach Activities	12/8/2023	12/7/2028	Non-Reimbursable	\$0	KSC	KCA-4761 Rev Basic
689	39643	Space Exploration Technologies Corporation	KCA-4722-17 Rev Basic, Fully Reimbursable Space Act Umbrella Agreement between NASA and Space Exploration Technologies Corporation for use of Kennedy Space Center Capabilities	9/28/2023	12/31/2025	Reimbursable	-----	KSC	KCA-4722-17 Rev Basic
690	39639	THE BOEING COMPANY	KCA-4735-6, Rev Basic Annex 6 Reimbursable Umbrella SAA between the NASA KSC and The Boeing Company for Use of Center Capabilities	9/28/2023	9/22/2028	Reimbursable	-----	KSC	KCA-4735-6 Rev Basic
691	39636	THE BOEING COMPANY	KCA-4735-5, Rev Basic Annex 5 Reimbursable Umbrella SAA between the NASA KSC and The Boeing Company for Use of Center Capabilities	9/27/2023	9/22/2028	Reimbursable	-----	KSC	KCA-4735-5 Rev Basic
692	39633	THE BOEING COMPANY	KCA-4735-4, Rev Basic Annex 4 Reimbursable Umbrella SAA between the NASA KSC and The Boeing Company for Use of Center Capabilities	9/27/2023	9/22/2028	Reimbursable	-----	KSC	KCA-4735-4 Rev Basic
693	39632	THE BOEING COMPANY	KCA-4735-3, Rev Basic Annex 3 Reimbursable Umbrella SAA between the NASA KSC and The Boeing Company for Use of Center Capabilities	9/27/2023	9/22/2028	Reimbursable	-----	KSC	KCA-4735-3 Rev Basic

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694	39631	THE BOEING COMPANY	KCA-4735-2, Rev Basic Annex 2 Reimbursable Umbrella SAA between the NASA KSC and The Boeing Company for Use of Center Capabilities	9/27/2023	9/22/2028	Reimbursable	-----	KSC	KCA-4735-2 Rev Basic
695	39586	Rothe ARES Joint Venture	KCA-4762-1, Rev Basic Annex 1 Under Reimbursable Space Act Agreement (RSAA) Umbrella with Rothe ARES Joint Venture (ROAR JV) for Contractor 3rd Party Work (C3PW)	11/30/2023	7/31/2024	Reimbursable	-----	KSC	KCA-4762-1 Rev. Basic
696	39585	Rothe ARES Joint Venture	KCA-4762, Rev Basic Umbrella Reimbursable Space Act Agreement (RSAA) with Rothe ARES Joint Venture (ROAR JV) for Contractor 3rd Party Work (C3PW)	11/30/2023	7/31/2024	Reimbursable	-----	KSC	KCA-4762 Rev. Basic
697	39387	Engineering Research and Consulting, Inc.	KCA-4740-5 Rev. Basic, Annex 5 to KCA-4740, Rev Basic Umbrella Reimbursable Space Act Agreement (RSAA) with Engineering Research and Consulting, Inc. (ERC) for Contractor 3rd Party Work (C3PW)	9/6/2023	9/30/2024	Reimbursable	-----	KSC	KCA-4740-5 Rev Basic
698	39272	Relativity Space, Inc.	KCA-4678-8 Rev. Basic, Annex 8 under Reimbursable Space Act Agreement (RSAA) Umbrella Between Relativity Space, Inc. and NASA Kennedy Space Center for Use of Center Capabilities	8/10/2023	9/30/2024	Reimbursable	-----	KSC	KCA-4678-8 Rev Basic
699	39254	THE ASTRONAUTS MEMORIAL FOUNDATION	KCA-4751 Rev Basic, Non-Reimbursable Space Act Agreement (NRSAA) Between the Astronauts Memorial Foundation (AMF) and NASA John F. Kennedy Space Center (KSC) for the NASA Exploration Station	3/29/2024	3/28/2029	Non-Reimbursable	\$95,994	KSC	KCA-4751 Rev Basic
700	39138	SPACE FLORIDA	KCA-4723-7, Rev Basic for Reimbursable Umbrella SAA between the NASA KSC and Space Florida for Use of Center Capabilities	7/10/2023	6/30/2028	Reimbursable	-----	KSC	KCA-4723-7 Rev Basic

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701	39137	SPACE FLORIDA	KCA-4723-6, Rev Basic for Reimbursable Umbrella SAA between the NASA KSC and Space Florida for Use of Center Capabilities	7/10/2023	6/30/2028	Reimbursable	----	KSC	KCA-4723-6 Rev Basic
702	39135	SPACE FLORIDA	KCA-4723-5, Rev Basic for Reimbursable Umbrella SAA between the NASA KSC and Space Florida for Use of Center Capabilities	7/10/2023	6/30/2028	Reimbursable	----	KSC	KCA-4723-5 Rev Basic
703	39134	SPACE FLORIDA	KCA-4723-4, Rev Basic for Reimbursable Umbrella SAA between the NASA KSC and Space Florida for Use of Center Capabilities	7/13/2023	6/30/2028	Reimbursable	----	KSC	KCA-4723-4 Rev Basic
704	39133	SPACE FLORIDA	KCA-4723-3, Rev Basic for Reimbursable Umbrella SAA between the NASA KSC and Space Florida for Use of Center Capabilities	7/10/2023	6/30/2028	Reimbursable	----	KSC	KCA-4723-3 Rev Basic
705	39127	SPACE FLORIDA	KCA-4723-2, Rev Basic for Reimbursable Umbrella SAA between the NASA KSC and Space Florida for Use of Center Capabilities	7/10/2023	6/30/2028	Reimbursable	----	KSC	KCA-4723-2 Rev Basic
706	39083	POLK STATE COLLEGE	KCA-4750 Rev Basic, Non-Reimbursable Space Act Agreements for High School Students United with NASA to Create Hardware (HUNCH) Program Participation with Polk State College	9/29/2023	9/28/2028	Non-Reimbursable	\$183,198	KSC	KCA-4750 Rev Basic
707	38992	WINSTON-SALEM STATE UNIVERSITY	KCA-4754-2, Rev. Basic Annex 2 to Nonreimbursable Umbrella Space Act Agreement with Winston-Salem State University (WSSU) for Databasing Activities	9/15/2023	9/15/2028	Non-Reimbursable	\$66,295	KSC	KCA-4754-2 Rev. Basic

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708	38867	WINSTON-SALEM STATE UNIVERSITY	KCA-4754-1, Rev. Basic Annex 1 to Nonreimbursable Umbrella Space Act Agreement with Winston-Salem State University for Microbiomes and Regolith Research Activities	9/15/2023	9/15/2028	Non-Reimbursable	\$66,295	KSC	KCA-4754-1 Rev. Basic
709	38866	WINSTON-SALEM STATE UNIVERSITY	KCA-4754 Rev. Basic Nonreimbursable Umbrella Space Act Agreement with Winston-Salem State University (WSSU) for Space Crop Production Collaborative Activities	9/15/2023	9/15/2028	Non-Reimbursable	\$0	KSC	KCA-4754 Rev. Basic
710	38794	Space Exploration Technologies Corporation	KCA-4722-15 Rev Basic, Annex 15 to Fully Reimbursable Space Act Umbrella Agreement between NASA and Space Exploration Technologies Corporation for use of Kennedy Space Center Capabilities	5/15/2023	11/15/2027	Reimbursable	----	KSC	KCA-4722-15 Rev Basic
711	38789	PAE-SGT Partners LLC	KCA-4608-3 Rev Basic, Annex 3 to Fully Reimbursable Umbrella SAA between NASA and PAE-SGT Partners LLC for C3PW	5/16/2023	9/30/2024	Reimbursable	----	KSC	KCA-4608-3 Rev Basic
712	38697	BLUE ORIGIN FLORIDA, LLC	KCA-4744-1 Rev Basic, ANNEX 1 BETWEEN NATIONAL AERONAUTICS AND SPACE ADMINISTRATION JOHN F. KENNEDY SPACE CENTER AND BLUE ORIGIN FLORIDA, LLC UNDER SPACE ACT AGREEMENT KCA-4744	11/29/2023	11/28/2028	Reimbursable	----	KSC	KCA-4744-1 Rev Basic
713	38696	BLUE ORIGIN FLORIDA, LLC	KCA-4744 Rev Basic, Fully Reimbursable Space Act Umbrella Agreement for Use of Kennedy Space Center Capabilities	11/29/2023	11/28/2028	Reimbursable	----	KSC	KCA-4744 Rev Basic
714	38668	Space Exploration Technologies Corporation	KCA-4722-10 Rev Basic, Annex 10 under Fully Reimbursable Space Act Umbrella Agreement between NASA and Space Exploration Technologies Corporation for use of Kennedy Space Center Capabilities	4/6/2023	11/15/2027	Reimbursable	----	KSC	KCA-4722-10 Rev. Basic

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715	38660	Engineering Research and Consulting, Inc.	KCA-4740-2, Rev Basic Annex 2 Under Reimbursable Space Act Agreement (RSAA) Umbrella with Engineering Research and Consulting, Inc. (ERC) for Contractor 3rd Party Work (C3PW)	4/25/2023	4/30/2024	Reimbursable	-----	KSC	KCA-4740-2 Rev Basic
716	38560	Space Exploration Technologies Corporation	KCA-4722-13 Rev Basic, Fully Reimbursable Space Act Umbrella Agreement between NASA and Space Exploration Technologies Corporation for use of Kennedy Space Center Capabilities	7/18/2023	11/15/2027	Reimbursable	-----	KSC	KCA-4722-13 Rev Basic
717	38549	Engineering Research and Consulting, Inc.	KCA-4740-1, Rev Basic Annex 1 Under Reimbursable Space Act Agreement (RSAA) Umbrella with Engineering Research and Consulting, Inc. (ERC) for Contractor 3rd Party Work (C3PW)	4/7/2023	4/30/2024	Reimbursable	-----	KSC	KCA-4740-1 Rev Basic
718	38548	Engineering Research and Consulting, Inc.	KCA-4740, Rev Basic Umbrella Reimbursable Space Act Agreement (RSAA) with Engineering Research and Consulting, Inc. (ERC) for Contractor 3rd Party Work (C3PW)	4/7/2023	9/30/2024	Reimbursable	-----	KSC	KCA-4740 Rev Basic
719	38366	AIRBUS U.S. SPACE AND DEFENSE, INC	KCA-4731-1 Revision Basic, Annex 1 under Reimbursable Umbrella SAA between the National Aeronautics and Space Administration John F. Kennedy Space Center and Airbus U.S. Space and Defense, Inc.	5/5/2023	5/4/2028	Reimbursable	-----	KSC	KCA-4731-1 Rev Basic
720	38365	AIRBUS U.S. SPACE AND DEFENSE, INC	KCA-4731 Revision Basic, for Reimbursable Umbrella SAA between the National Aeronautics and Space Administration John F. Kennedy Space Center and Airbus U.S. Space and Defense, Inc.	5/5/2023	5/4/2028	Reimbursable	-----	KSC	KCA-4731 Rev Basic
721	38273	THE BOEING COMPANY	KCA-4735-1, Rev Basic Annex 1 for Reimbursable Umbrella SAA between the NASA KSC and The Boeing Company for Use of Center Capabilities	9/22/2023	9/22/2028	Reimbursable	-----	KSC	KCA-4735-1 Rev. Basic

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722	38272	THE BOEING COMPANY	KCA-4735, Rev. Basic Reimbursable Umbrella SAA between the NASA KSC and The Boeing Company for Use of Center Capabilities	9/22/2023	9/22/2028	Reimbursable	----	KSC	KCA-4735 Rev. Basic
723	38267	Firefly Aerospace Inc.	KCA-4671-2, Rev. Basic Annex 2 under Fully Reimbursable Umbrella SAA Between NASA KSC and Firefly Aerospace Inc. for Use of Center Capabilities	4/21/2023	3/1/2026	Reimbursable	----	KSC	KCA-4671-2 Rev Basic
724	38156	UNITED LAUNCH ALLIANCE, LLC	KCA-4726-9 Rev Basic Annex 9 for Reimbursable Umbrella SAA between the NASA KSC and United Launch Alliance, LLC for Use of Center Capabilities	2/23/2023	1/25/2028	Reimbursable	----	KSC	KCA-4726-9 Rev Basic
725	38155	UNITED LAUNCH ALLIANCE, LLC	KCA-4726-8 Rev Basic Annex 8 for Reimbursable Umbrella SAA between the NASA KSC and United Launch Alliance, LLC for Use of Center Capabilities	2/23/2023	1/25/2028	Reimbursable	----	KSC	KCA-4726-8 Rev Basic
726	38154	UNITED LAUNCH ALLIANCE, LLC	KCA-4726-7 Rev Basic Annex 7 for Reimbursable Umbrella SAA between the NASA KSC and United Launch Alliance, LLC for Use of Center Capabilities	2/16/2023	1/25/2028	Reimbursable	----	KSC	KCA-4726-7 Rev Basic
727	38153	UNITED LAUNCH ALLIANCE, LLC	KCA-4726-6 Rev Basic Annex 6 for Reimbursable Umbrella SAA between the NASA KSC and United Launch Alliance, LLC for Use of Center Capabilities	2/16/2023	1/25/2028	Reimbursable	----	KSC	KCA-4726-6 Rev Basic
728	38152	UNITED LAUNCH ALLIANCE, LLC	KCA-4726-5 Rev Basic Annex 5 for Reimbursable Umbrella SAA between the NASA KSC and United Launch Alliance, LLC for Use of Center Capabilities	2/16/2023	1/25/2028	Reimbursable	----	KSC	KCA-4726-5 Rev Basic



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729	38151	UNITED LAUNCH ALLIANCE, LLC	KCA-4726-4 Rev Basic Annex 4 for Reimbursable Umbrella SAA between the NASA KSC and United Launch Alliance, LLC for Use of Center Capabilities	2/13/2023	1/25/2028	Reimbursable	----	KSC	KCA-4726-4 Rev Basic
730	38150	UNITED LAUNCH ALLIANCE, LLC	KCA-4726-3 Rev Basic Annex 3 for Reimbursable Umbrella SAA between the NASA KSC and United Launch Alliance, LLC for Use of Center Capabilities	2/13/2023	1/25/2028	Reimbursable	----	KSC	KCA-4726-3 Rev Basic
731	38149	UNITED LAUNCH ALLIANCE, LLC	KCA-4726-2 Rev Basic Annex 2 for Reimbursable Umbrella SAA between the NASA KSC and United Launch Alliance, LLC for Use of Center Capabilities	2/21/2023	1/25/2028	Reimbursable	----	KSC	KCA-4726-2 Rev Basic
732	37885	Space Exploration Technologies Corporation	KCA-4722-12 Rev Basic, Annex 12 to Fully Reimbursable Space Act Umbrella Agreement between NASA and Space Exploration Technologies Corporation for use of Kennedy Space Center Capabilities	12/8/2022	3/31/2024	Reimbursable	----	KSC	KCA-4722-12 Rev Basic
733	37884	Space Exploration Technologies Corporation	KCA-4722-14 Rev Basic, Annex 14 to Fully Reimbursable Space Act Umbrella Agreement between NASA and Space Exploration Technologies Corporation for use of Kennedy Space Center Capabilities	12/1/2022	11/15/2027	Reimbursable	----	KSC	KCA-4722-14 Rev Basic
734	37883	Space Exploration Technologies Corporation	KCA-4722-9 Rev Basic, Annex 9 to Fully Reimbursable Space Act Umbrella Agreement between NASA and Space Exploration Technologies Corporation for use of Kennedy Space Center Capabilities	12/1/2022	11/15/2027	Reimbursable	----	KSC	KCA-4722-9 Rev Basic
735	37882	Space Exploration Technologies Corporation	KCA-4722-11 Rev Basic, Annex 11 to Fully Reimbursable Space Act Umbrella Agreement between NASA and Space Exploration Technologies Corporation for use of Kennedy Space Center Capabilities	12/1/2022	11/15/2027	Reimbursable	----	KSC	KCA-4722-11 Rev Basic

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736	37881	Space Exploration Technologies Corporation	KCA-4722-7 Rev Basic, Annex 7 to Fully Reimbursable Space Act Umbrella Agreement between NASA and Space Exploration Technologies Corporation for use of Kennedy Space Center Capabilities	12/1/2022	11/15/2027	Reimbursable	----	KSC	KCA-4722-7 Rev Basic
737	37880	Space Exploration Technologies Corporation	KCA-4722-5 Rev Basic, Annex 5 to Fully Reimbursable Space Act Umbrella Agreement between NASA and Space Exploration Technologies Corporation for use of Kennedy Space Center Capabilities	12/8/2022	11/15/2027	Reimbursable	----	KSC	KCA-4722-5 Rev Basic
738	37879	Space Exploration Technologies Corporation	KCA-4722-4 Rev Basic, Annex 4 to Fully Reimbursable Space Act Umbrella Agreement between NASA and Space Exploration Technologies Corporation for use of Kennedy Space Center Capabilities	12/8/2022	11/15/2027	Reimbursable	----	KSC	KCA-4722-4 Rev Basic
739	37875	Space Exploration Technologies Corporation	KCA-4722-8 Rev Basic, Annex 8 to Fully Reimbursable Space Act Umbrella Agreement between NASA and Space Exploration Technologies Corporation for use of Kennedy Space Center Capabilities	12/1/2022	11/15/2027	Reimbursable	----	KSC	KCA-4722-8 Rev Basic
740	37874	Space Exploration Technologies Corporation	KCA-4722-6 Rev Basic, Annex 6 to Fully Reimbursable Space Act Umbrella Agreement between NASA and Space Exploration Technologies Corporation for use of Kennedy Space Center Capabilities	12/1/2022	11/15/2027	Reimbursable	----	KSC	KCA-4722-6 Rev Basic
741	37873	Space Exploration Technologies Corporation	KCA-4722-3 Rev Basic, Annex 3 to Fully Reimbursable Space Act Umbrella Agreement between NASA and Space Exploration Technologies Corporation for use of Kennedy Space Center Capabilities	12/1/2022	11/15/2027	Reimbursable	----	KSC	KCA-4722-3 Rev Basic
742	37872	Space Exploration Technologies Corporation	KCA-4722-2 Rev Basic, Annex 2 to Fully Reimbursable Space Act Umbrella Agreement between NASA and Space Exploration Technologies Corporation for use of Kennedy Space Center Capabilities	12/1/2022	11/15/2027	Reimbursable	----	KSC	KCA-4722-2 Rev Basic

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743	37821	RELATIVITY SPACE, INC	KCA-4678-7 Rev Basic, Annex to Umbrella Agreement Between KSC and Relativity Space, Inc. for Use of Center Capabilities	12/8/2022	9/30/2024	Reimbursable	----	KSC	KCA-4678-7 Rev Basic
744	37802	Rocket Crafters, Inc	KCA-4700-2 Rev Basic, Annex 2 to Umbrella Agreement Between KSC and Rocket Crafters for Use of Center Capabilities	12/13/2022	9/30/2024	Reimbursable	----	KSC	KCA-4700-2 Rev Basic
745	37748	Astronauts Memorial Foundation	KCA-4725, Rev Basic Standalone NRSAA between NASA KSC and the Astronauts Memorial Foundation, Inc.	8/31/2023	8/30/2028	Non-Reimbursable	\$674,790	KSC	KCA-4725 Rev Basic
746	37729	UNITED LAUNCH ALLIANCE, LLC	KCA-4726-1, Rev Basic Annex 1 for Reimbursable Umbrella SAA between the NASA KSC and United Launch Alliance, LLC for Use of Center Capabilities	1/26/2023	1/25/2028	Reimbursable	----	KSC	KCA-4726-1 Rev Basic
747	37728	UNITED LAUNCH ALLIANCE, LLC	KCA-4726, Rev Basic for Reimbursable Umbrella SAA between the NASA KSC and United Launch Alliance, LLC for Use of Center Capabilities	1/26/2023	1/25/2028	Reimbursable	----	KSC	KCA-4726 Rev Basic
748	37721	UNITED LAUNCH ALLIANCE, LLC	KCA-4733, Rev. Basic Fully Reimbursable Space Act Agreement between the National Aeronautics and Space Administration John F. Kennedy Space Center and United Launch Alliance, LLC for Solar White Development for Second-Stage Cryogenic Tanks	6/22/2023	6/22/2024	Reimbursable	----	KSC	KCA-4733 Rev. Basic
749	37681	Relativity Space, Inc.	KCA-4678-6 Rev Basic, Annex 6 to Reimbursable Space Act Agreement (RSAA) Umbrella Between Relativity Space, Inc. and NASA Kennedy Space Center for Use of Center Capabilities	12/5/2022	9/30/2024	Reimbursable	----	KSC	KCA-4678-6 Rev Basic

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750	37504	University of Dayton	KCA 4715-1 Rev Basic, Annex 1 for Reimbursable SAA between NASA KSC and University of Dayton	12/15/2022	12/14/2027	Reimbursable	----	KSC	KCA 4715-1 Rev Basic
751	37503	University of Dayton	KCA-4715 Rev Basic, Reimbursable Umbrella SAA between KSC and University of Dayton for Corrosion Testing	12/15/2022	12/14/2027	Reimbursable	----	KSC	KCA-4715 Rev Basic
752	37499	University of Central Florida Board of Trustees	KCA-4648-2 Rev. Basic, of Reimbursable Space Act Umbrella Agreement Between The National Aeronautics and Space Administration (NASA) John F. Kennedy Space Center (KSC) and The University of Central Florida (UCF) Central Florida Board of Trustees for Use of Center Capabilities	10/6/2022	9/30/2024	Reimbursable	----	KSC	KCA-4648-2 Rev Basic
753	37452	HSG, LLC d/b/a HERNDON SOLUTIONS GROUP	KCA-4660-24 Rev. Basic, Annex 24 Fully Reimbursable Umbrella SAA between NASA and Herndon Solutions Group, LLC (HSG) for Contractor 3rd Party Work (C3PW)	9/21/2022	9/30/2024	Reimbursable	----	KSC	KCA-4660-24 Rev Basic
754	37451	HSG, LLC d/b/a HERNDON SOLUTIONS GROUP	KCA-4660-23 Rev Basic, Annex 23 Fully Reimbursable Umbrella SAA between NASA and Herndon Solutions Group, LLC (HSG) for Contractor 3rd Party Work (C3PW)	9/21/2022	9/30/2024	Reimbursable	----	KSC	KCA-4660-23 Rev Basic
755	37450	HSG, LLC d/b/a HERNDON SOLUTIONS GROUP	KCA-4660-22 Rev Basic, Annex 22 Fully Reimbursable Umbrella SAA between NASA and Herndon Solutions Group, LLC (HSG) for Contractor 3rd Party Work (C3PW)	9/21/2022	9/30/2024	Reimbursable	----	KSC	KCA-4660-22 Rev Basic
756	37449	HSG, LLC d/b/a HERNDON SOLUTIONS GROUP	KCA-4660-21 Rev Basic, Annex 21 Fully Reimbursable Umbrella SAA between NASA and Herndon Solutions Group, LLC (HSG) for Contractor 3rd Party Work (C3PW)	9/21/2022	9/30/2024	Reimbursable	----	KSC	KCA-4660-21 Rev Basic

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757	37448	HSG, LLC d/b/a HERNDON SOLUTIONS GROUP	KCA-4660-20, Rev Basic, Annex 20 Fully Reimbursable Umbrella SAA between NASA and Herndon Solutions Group, LLC (HSG) for Contractor 3rd Party Work (C3PW)	9/21/2022	9/30/2024	Reimbursable	----	KSC	KCA-4660-20 Rev Basic
758	37447	HSG, LLC d/b/a HERNDON SOLUTIONS GROUP	KCA-4660-19 Rev Basic, Annex 19 Fully Reimbursable Umbrella SAA between NASA and Herndon Solutions Group, LLC (HSG) for Contractor 3rd Party Work (C3PW)	9/21/2022	9/30/2024	Reimbursable	----	KSC	KCA-4660-19 Rev Basic
759	37445	HSG, LLC d/b/a HERNDON SOLUTIONS GROUP	KCA-4660-18 Rev Basic, Annex 18 Fully Reimbursable Umbrella SAA between NASA and Herndon Solutions Group, LLC (HSG) for Contractor 3rd Party Work (C3PW)	9/21/2022	9/30/2024	Reimbursable	----	KSC	KCA-4660-18 Rev Basic
760	37444	HSG, LLC d/b/a HERNDON SOLUTIONS GROUP	KCA-4660-17, Rev Basic, Annex 17 to Fully Reimbursable Umbrella SAA between NASA and Herndon Solutions Group, LLC (HSG) for Contractor 3rd Party Work (C3PW)	9/21/2022	9/30/2024	Reimbursable	----	KSC	KCA-4660-17 Rev Basic
761	37234	SPACE FLORIDA	KCA-4723-1, Rev Basic Annex 1 for Reimbursable Umbrella SAA between the NASA KSC and Space Florida for Use of Center Capabilities	6/16/2023	6/30/2028	Reimbursable	----	KSC	KCA-4723-1 Rev Basic
762	37233	SPACE FLORIDA	KCA-4723, Rev Basic for Reimbursable Umbrella SAA between the NASA KSC and Space Florida for Use of Center Capabilities	6/16/2023	6/30/2028	Reimbursable	----	KSC	KCA-4723 Rev Basic
763	37208	Florida Institute of Technology, Inc.	KCA-4683-2, Rev Basic Annex 2 to Non-Reimbursable Space Act Agreement (NRSAA) with Florida Institute of Technology, Inc. (Florida Tech) for Audubon Road Living Shoreline Monitoring	10/14/2022	10/13/2024	Non-Reimbursable	\$82,278	KSC	KCA-4683-2 Rev Basic

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764	37122	Space Exploration Technologies Corporation	KCA-4722-1 Rev Basic, Annex 1 to Reimbursable Umbrella SAA between NASA KSC and SpaceX for Center Capabilities	11/16/2022	11/15/2027	Reimbursable	-----	KSC	KCA-4722-1 Rev Basic
765	37121	Space Exploration Technologies Corporation	KCA-4722 Rev Basic, Fully Reimbursable Space Act Umbrella Agreement between NASA and Space Exploration Technologies Corporation for use of Kennedy Space Center Capabilities	11/16/2022	11/15/2027	Reimbursable	-----	KSC	KCA-4722 Rev Basic
766	37074	Oak Ridge Associated Universities, Inc.	KCA-4719-2, Rev. Basic, Annex 2 to Umbrella Non-Reimbursable Space Act Agreement (NRSAA) 33159 with Oak Ridge Associated Universities, Inc. (ORAU)	9/23/2022	12/15/2025	Non-Reimbursable	\$85,725	KSC	KCA-4719-2 Rev. Basic
767	36543	Brevard Public Schools	KCA-4710 Rev Basic, Non-Reimbursable Space Act Agreements for High School Students United with NASA to Create Hardware (HUNCH) Program Participation with Brevard County Public Schools (BPS)	8/10/2022	8/10/2027	Non-Reimbursable	\$825,524	KSC	KCA-4710 Rev Basic
768	36352	Relativity Space, Inc.	KCA-4678-4 Rev Basic, Annex 4 to Reimbursable Space Act Agreement (RSAA) Umbrella Between Relativity Space, Inc. and NASA Kennedy Space Center for Use of Center Capabilities	3/12/2022	7/27/2026	Reimbursable	-----	KSC	KCA-4678-4 Rev Basic
769	35951	THE ASTRONAUTS MEMORIAL FOUNDATION	KCA-1236 Rev. Basic Use Permit for The Center for Space Education	4/30/1992	12/31/9999	Non-Reimbursable	-----	KSC	KCA-1236 Rev. Basic
770	35845	ROCKETSTAR, LLC	KCA-4701-1, Annex 1 to the Reimbursable Umbrella SAA Between NASA KSC and RocketStar LLC for Spaceport Operations and Integration Support	1/19/2022	1/19/2027	Reimbursable	-----	KSC	KCA-4701-1 Rev Basic

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771	35844	ROCKETSTAR, LLC	KCA-4701 Rev Basic, Reimbursable Umbrella SAA between NASA KSC and RocketStar LLC for Use of Center Capabilities	1/19/2022	1/19/2027	Reimbursable	----	KSC	KCA-4701 Rev Basic
772	35743	Rocket Crafters, Inc	KCA-4700-1, Rev Basic Annex 1 to the Reimbursable Space Act Agreement (RSAA) Umbrella Between NASA Kennedy Space Center and Rocket Crafters, Inc. for Spaceport Integration Support	2/9/2022	2/9/2027	Reimbursable	----	KSC	KCA-4700-1 Rev Basic
773	35742	Rocket Crafters, Inc	KCA-4700, Rev Basic Umbrella Agreement Between KSC and Rocket Crafters for Use of Center Capabilities	2/9/2022	2/9/2027	Reimbursable	----	KSC	KCA-4700 Rev Basic
774	35656	Orion Marine Construction	KCA-4699 Rev Basic License Agreement for Construction Laydown Area Between the National Aeronautics and Space Administration John F. Kennedy Space Center and Orion Marine Construction	12/1/2021	12/1/2026	Non-Reimbursable	\$0	KSC	KCA-4699 Rev Basic
775	35375	Innovative Technology, Inc.	KCA-4694-1 Rev. Basic, Annex 1 to the Reimbursable Space Act Agreement (RSAA) Umbrella Agreement Between NASA and Innovative Technology, Inc. for General Corrosion Testing	1/14/2022	1/14/2027	Reimbursable	----	KSC	KCA-4694-1 Rev. Basic
776	35374	Innovative Technology, Inc.	KCA-4694. Rev. Basic Fully Reimbursable Umbrella Space Act Agreement Between The National Aeronautics and Space Administration John F. Kennedy Space Center and Innovative Technology, Inc. for Use of Center Capabilities	1/14/2022	1/14/2027	Reimbursable	----	KSC	KCA-4694 Rev Basic
777	35360	Astra Space Operations Inc.	KCA-4695-1 Rev. Basic, Annex No. 1 to the Reimbursable Umbrella SAA Between NASA KSC and Astra Space Inc for Spaceport Operations and Integration Support	12/21/2021	12/21/2026	Reimbursable	----	KSC	KCA-4695-1 Rev Basic

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778	35359	Astra Space Operations Inc.	KCA-4695 Rev Basic, Reimbursable Umbrella SAA between NASA KSC and Astra Space Inc for Use of Center Capabilities	12/21/2021	12/21/2026	Reimbursable	-----	KSC	KCA-4695 Rev Basic
779	34809	Florida Institute of Technology, Inc.	KCA-4683-1, Rev Basic Annex 1 to Non-Reimbursable Space Act Agreement (NRSAA) with Florida Institute of Technology, Inc. (Florida Tech) for Joint Research on the Performance of Crop Species Grown in Lunar and Martian Simulants	10/8/2021	10/8/2024	Non-Reimbursable	\$40,324	KSC	KCA-4683-1 Rev Basic
780	34808	Florida Institute of Technology, Inc.	KCA-4683, Rev Basic of Non-Reimbursable Space Act Agreement (NRSAA) Umbrella with Florida Institute of Technology, Inc. (Florida Tech) for Collaborative Research, Education and Outreach Activities	10/8/2021	10/8/2026	Non-Reimbursable	\$0	KSC	KCA-4683 Rev Basic
781	34588	Relativity Space, Inc.	KCA-4678-1, Rev Basic Annex 1 to the Reimbursable Space Act Agreement (RSAA) Umbrella Between NASA Kennedy Space Center and Relativity Space, Inc. for Spaceport Integration Support	7/27/2021	7/27/2026	Reimbursable	-----	KSC	KCA-4678-1 Rev. Basic
782	34587	Relativity Space, Inc.	KCA-4678 Rev. Basic Reimbursable Space Act Agreement (RSAA) Umbrella Between Relativity Space, Inc. and NASA Kennedy Space Center for Use of Center Capabilities	7/27/2021	7/27/2026	Reimbursable	-----	KSC	KCA-4678 Rev. Basic
783	34155	Florida Department of Transportation	KCA-4674 Rev Basic License Agreement-Indian River Bridge Demolition and Construction Project	6/15/2021	3/27/2027	Non-Reimbursable	\$0	KSC	KCA-4674 Rev Basic
784	34110	Pine Island Investment Group, LLC	KCA-4653, Revision Basic for Real Property License with Pine Island Investment Group, LLC	4/7/2021	4/7/2026	Non-Reimbursable	\$0	KSC	KCA-4653 Rev Basic



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785	34046	Axiom Space, LLC	KCA-4682, Rev. Basic Fully Reimbursable Umbrella SAA Between NASA KSC and Axiom Space, Inc. for Use of Center Capabilities	1/24/2022	1/24/2027	Reimbursable	-----	KSC	KCA-4682, Rev. Basic
786	34023	Firefly Aerospace Inc.	KCA-4671-1, Revision Basic Annex 1 to the Reimbursable Space Act Agreement (RSAA) Umbrella Agreement Between NASA KSC and Firefly Aerospace Inc. for Launch Telemetry and Communication Services at Vandenberg Air Force Base	3/2/2021	3/1/2026	Reimbursable	-----	KSC	KCA-4671-1 Rev. Basic
787	34022	Firefly Aerospace Inc.	KCA-4671, Rev. Basic Fully Reimbursable Umbrella SAA Between NASA KSC and Firefly Aerospace Inc. for Use of Center Capabilities	3/1/2021	3/1/2026	Reimbursable	-----	KSC	KCA-4671 Rev. Basic
788	33991	PAE-SGT Partners LLC	KCA-4608 Rev Basic, Fully Reimbursable Umbrella SAA between NASA and PAE-SGT Partners LLC for C3PW	9/15/2021	3/31/2025	Reimbursable	-----	KSC	KCA-4608 Rev Basic
789	33945	United Launch Alliance	KCA-4654-1 Rev Basic, Annex 1 for Demonstration of Cryogenic Technologies in a Flight-like Upper Stage	6/23/2022	6/22/2027	Non-Reimbursable	\$1,054,919	KSC	KCA-4654-1 Rev Basic
790	33944	United Launch Alliance	KCA-4654, Rev Basic of Non-Reimbursable Space Act Agreement (NRSAA) Umbrella with United Launch Alliance (ULA) for Demonstration of Cryogenic and Secondary Payload Technologies for Launch Vehicles	6/23/2022	6/22/2027	Non-Reimbursable	\$0	KSC	KCA-4654 Rev Basic
791	33515	Southeast Coastal Ocean Observing Regional Association	KCA-4676 Rev Basic, Reimbursable Space Act Agreement Between NASA-KSC and Southeast Coastal Ocean Observing Regional Association for Electrical Services	3/31/2022	3/30/2027	Reimbursable	-----	KSC	KCA-4676 Rev. Basic

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792	33461	HSG, LLC d/b/a HERNDON SOLUTIONS GROUP	KCA-4660 Rev Basic, Fully Reimbursable Umbrella SAA between NASA and HSG, LLC d/b/a Herndon Solutions Group for C3PW	10/7/2020	9/30/2024	Reimbursable	-----	KSC	KCA-4660 Rev Basic
793	33316	The Astronauts Memorial Foundation	KCA-4659, Rev. Basic, Lease Agreement for Center for Space Education (CSE) Space at the Astronauts Memorial Foundation (AMF)	9/30/2020	9/30/2024	Non-Reimbursable	\$148,878	KSC	KCA-4659 Rev Basic
794	32750	KT Engineering Corporation	KCA-4650-1 Rev Basic, Annex No. 1 to the Fully Reimbursable Umbrella SAA Between NASA KSC and KT Engineering Corp. for Ground Systems Design Review	9/1/2020	9/1/2025	Reimbursable	-----	KSC	KCA-4650-1 Rev Basic
795	32749	KT Engineering Corporation	KCA-4650, Rev Basic Fully Reimbursable Umbrella SAA Between NASA KSC and KT Engineering Corp. for Use of Center Capabilities	9/1/2020	9/1/2025	Reimbursable	-----	KSC	KCA-4650 Rev Basic
796	32666	UNIVERSITY OF CENTRAL FLORIDA, ON BEHALF OF ITS BOARD OF TRUSTEES	KCA-4648-1 Rev. Basic, Annex 1 of Reimbursable Space Act Umbrella Agreement Between the National Aeronautics and Space Administration (NASA) John F. Kennedy Space Center (KSC) and The University of Central Florida (UCF) Central Florida Board of Trustees for Use of Center Capabilities	2/25/2022	2/24/2027	Reimbursable	-----	KSC	KCA-4648-1 Rev. Basic
797	32665	UNIVERSITY OF CENTRAL FLORIDA, ON BEHALF OF ITS BOARD OF TRUSTEES	KCA-4648 Rev. Basic, Reimbursable Space Act Umbrella Agreement Between The National Aeronautics and Space Administration (NASA) John F. Kennedy Space Center (KSC) and The University of Central Florida (UCF) Central Florida Board of Trustees for Use of Center Capabilities	2/25/2022	2/24/2027	Reimbursable	-----	KSC	KCA-4648 Rev. Basic
798	32270	Florida League of Cities	KCA-4601-2 Rev Basic, Annex 2 to Reimbursable Umbrella SAA between NASA KSC and Florida League of Cities for Development and Demonstration of Sustainable Composites (KCA-4601)	5/3/2021	7/1/2024	Reimbursable	-----	KSC	KCA-4601-2 Rev Basic

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799	32261	Space Perspective, Inc.	KCA-4641, Rev. Basic Fully Reimbursable Umbrella SAA Between NASA KSC and Space Perspective, Inc. for Use of Center Capabilities	4/27/2020	4/27/2025	Reimbursable	-----	KSC	KCA-4641 Rev Basic
800	31927	The Astronauts Memorial Foundation	KCA-4638, Revision Basic for Reimbursable Space Act Agreement Between NASA KSC and the Astronaut Memorial Foundation, Inc. for Services at the Center for Space Education	6/5/2020	6/4/2025	Reimbursable	-----	KSC	KCA-4638 Rev Basic
801	31241	Eastern Florida State College	KCA-4629 Rev Basic, High Schools United with NASA to Create Hardware (HUNCH)	10/22/2019	10/22/2024	Non-Reimbursable	\$28,331	KSC	KCA-4629 Rev Basic
802	30833	SPACE COAST MACHINIST APPRENTICESHIP PROGRAM, INC.	KCA-4625 Rev Basic, Nonreimbursable Space Act Agreement Between the National Aeronautics and Space Administration John F. Kennedy Space Center and Space Coast Machinist Apprenticeship Program for High Schools United with NASA to Create Hardware (HUNCH) Program	10/24/2019	10/24/2024	Non-Reimbursable	\$28,397	KSC	KCA-4625 Rev Basic
803	30320	SPACE FLORIDA	KCA-4607 Rev Basic, Real Property License between NASA KSC and Space Florida for the Use of NASA Real Property	9/26/2019	9/26/2024	Non-Reimbursable	\$0	KSC	KCA-4607 Rev Basic
804	29903	ASTRONAUTS MEMORIAL FOUNDATION	KCA-4605 Rev Basic, SAA between NASA and the Astronaut Memorial Foundation for a NASA Exploration Station	4/5/2019	4/5/2024	Non-Reimbursable	\$1,082,832	KSC	KCA-4605 Rev Basic
805	29814	Florida League of Cities	KCA-4601 Rev Basic, Reimbursable Umbrella SAA between NASA KSC and Florida League of Cities for Development and Demonstration of Sustainable Composites (KCA-4601)	7/1/2019	7/1/2024	Reimbursable	-----	KSC	KCA-4601 Rev Basic

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806	29804	Astrotech Space Operations, LLC	KCA-4603 Rev Basic, Nonreimbursable Space Act Agreement Between NASA KSC and Astrotech Space Operations, LLC for Reciprocal Access to Fiber Optic Communications Circuit	8/21/2019	8/21/2024	Non-Reimbursable	\$172,855	KSC	KCA-4603 Rev. Basic
807	29729	Blazing Trails	KCA-4606 Rev Basic, Nonreimbursable Space Act Agreement Between the National Aeronautics and Space Administration John F. Kennedy Space Center and Blazing Trails for High Schools United with NASA to Create Hardware (HUNCH) Program	5/8/2019	5/8/2024	Non-Reimbursable	\$48,432	KSC	KCA-4606 Rev Basic
808	29652	Pressure Dynamic Consultants PDC Machines Inc.	KCA-4598 Rev Basic, Reimbursable Umbrella SAA with PDC for High Pressure Hydrogen Pump Research and Testing	6/5/2019	6/4/2024	Reimbursable	----	KSC	KCA-4598 Rev Basic
809	24702	Space Exploration Technology Corp	KCA-4360 Rev Basic, Property Agreement between NASA KSC and SpaceX for the Use of Launch Complex 39 Pad A	4/14/2014	4/14/2034	Reimbursable	----	KSC	KCA-4360 Rev Basic
810	20723	Space Florida	KCA-4412 Rev Basic, Property Agreement between NASA KSC and Space Florida for The Transfer of Operations and Management of the Shuttle Landing Facility	6/22/2015	6/22/2045	Reimbursable	----	KSC	KCA-4412 Rev Basic
811	15983	Air Liquide Large Industries U.S. LP	KCA-4400 Rev Basic, Grant of Easement for Right of Way for Air Liquide Large Industries U.S. LP	7/25/2013	7/31/2033	Non-Reimbursable	----	KSC	KCA-4400 Rev Basic
812	10940	Space Florida, an independent special district of the state of Florida	KCA-4311 Rev Basic, Real Property Use Permit between NASA KSC and Space Florida for the Use of the Orbiter Processing Facility 3, The Space Shuttle Main Engine Processing Facility, and the Processing Control Center	10/6/2011	6/1/2027	Reimbursable	----	KSC	KCA-4311 Rev Basic

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813	7016	Florida Power & Light Company	KCA-4250 Rev Basic, Grant of Easement for Right of Way for Electric Power Transmission and Communications Facilities to Florida Power & Light Company	11/6/2009	11/6/2034	Non-Reimbursable	-----	KSC	KCA-4250 Rev Basic
814	3798	SPACE FLORIDA, AN INDEPENDENT SPECIAL DISTRICT OF THE STATE OF FLORIDA	KCA-1683-BASIC, REAL PROPERTY USE PERMIT BETWEEN NASA AND SPACEPORT FLORIDA AUTHORITY FOR DESIGN, CONSTRUCTION, AND OPERATION OF SERPL	2/8/2001	2/8/2031	Reimbursable	-----	KSC	KCA-1683-BASIC
815	3786	Florida Space Authority	KCA-1487-BASIC, USE PERMIT FOR DESIGN, CONSTRUCTION & ACTIVATION OF A FLIGHT VEHICLE FACILITY AT TOWWAY SITE	11/1/1999	12/31/9999	Non-Reimbursable	-----	KSC	KCA-1487-BASIC
816	3754	Astronaut Memorial Foundation	KCA-1280 Rev. Basic, USE PERMIT FOR THE ASTRONAUT MEMORIAL	10/13/1998	12/31/9999	Non-Reimbursable	-----	KSC	KCA-1280 Rev. Basic
817	40083	MICHIGAN TECHNOLOGICAL UNIVERSITY	Exploration of Extended-Reaction Liners for Reduction of Broadband Fan Noise on Commercial Aircraft	3/6/2024	9/6/2025	Non-Reimbursable	\$35,333	LaRC	SAA1-40082 Annex 1
818	40082	MICHIGAN TECHNOLOGICAL UNIVERSITY	Exploration of Metamaterial Acoustic Liners and the Potential of their Application on Commercial Aircraft	3/6/2024	3/6/2029	Non-Reimbursable	\$0	LaRC	SAA1-40082
819	40053	Northrop Grumman Corporation	RAMJET INLET DEVELOPMENT	12/19/2023	1/20/2025	Reimbursable	-----	LaRC	SAA2-403514, Annex 7

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820	40032	Old Dominion University	Inverse Problems for Nondestructive Evaluation to Support Qualification and Certification of Advanced Aerospace Hardware	2/7/2024	5/3/2026	Non-Reimbursable	\$7,693	LaRC	SAA1-34376, Annex 5
821	40007	Supernal, LLC - U.S.A.	Los Angeles Airspace Analysis	1/23/2024	1/23/2026	Reimbursable	----	LaRC	SAA1-40006, Annex 1
822	40006	Supernal, LLC - U.S.A.	Fast-time Modeling of Airspace Designs	1/23/2024	1/23/2029	Reimbursable	----	LaRC	SAA1-40006
823	39645	SKYGRID, LLC	EMERGING AVIATION OPERATIONS WITH INCREASINGLY AUTONOMOUS SYSTEMS	12/14/2023	12/14/2026	Non-Reimbursable	\$72,646	LaRC	SAA1-39645
824	39532	VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	Annex to COLLABORATIVE RESEARCH, DEVELOPMENT, AND TESTING OPPORTUNITIES	9/15/2023	9/15/2024	Non-Reimbursable	\$20,303	LaRC	SAA1-36204, Annex 3
825	39502	Zeno Power Systems, LLC	Harmonia: A Universal Americium-241 Radioisotope Power Supply for Artemis	7/20/2023	7/20/2028	Funded	\$15,000,010	LaRC	FSAA-39502
826	39501	PROTOINNOVATIONS, LLC	Lunar Surface Mobility Coordinator Software	7/20/2023	7/20/2028	Funded	\$6,174,917	LaRC	FSAA-39501

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827	39500	Freedom Photonics, LLC	Highly Efficient Watt-Class Direct Diode LIDAR for Remote Sensing	7/20/2023	7/19/2028	Funded	\$1,556,378	LaRC	FSAA-39500
828	39498	PSIONIC, LLC	Validating No-Light Lunar Landing Technology	7/20/2023	7/19/2028	Funded	\$3,145,500	LaRC	FSAA-39498
829	39497	ASTROBOTIC TECHNOLOGY, INC	LunaGrid-Lite: Demonstration of Tethered, Scalable Lunar Power Transmission	7/20/2023	7/20/2028	Funded	\$34,629,427	LaRC	FSAA-39497
830	39419	Big Metal Additive, LLC	Improving Cost and Availability of Space Habitat Structures and Additive Manufacturing	7/20/2023	7/20/2028	Funded	\$5,350,580	LaRC	FSAA-39419
831	39400	BLUE ORIGIN, LLC	ISRU-Based Power on the Moon	7/20/2023	7/20/2028	Funded	\$34,723,195	LaRC	FSAA-39400
832	39241	AIBOT US Supply, Inc.	Flight-Test System Identification for Electric Vertical Take-Off and Landing (eVTOL) Aircraft	9/29/2023	9/29/2025	Non-Reimbursable	\$229,569	LaRC	SAA1-39241
833	39196	WICHITA STATE UNIVERSITY	Advancement of Composite Cryotank Technology	9/29/2023	9/30/2025	Non-Reimbursable	\$55,055	LaRC	SAA1-39196

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834	39130	Governors School for Science and Technology	STEM Education Collaboration	10/6/2023	10/6/2026	Non-Reimbursable	\$67,070	LaRC	SAA1-39130
835	39005	Onyx Aerospace	Conceptual Design of Hypersonic Inflatable Aerodynamic Decelerator (HIAD) Reentry System	6/23/2023	6/22/2024	Reimbursable	-----	LaRC	SAA8-2135668, Annex 4
836	38975	Lockheed Martin	Hypersonic Heatpipe Aerostructure Demonstrator	1/4/2024	1/4/2026	Reimbursable	-----	LaRC	SAA1-32707, Annex 3
837	38942	Sierra Space Corporation	Collaboration on Development of Ceramic Matrix Composite Structures for Reentry Vehicles.	9/12/2023	9/12/2026	Non-Reimbursable	\$458,777	LaRC	SAA1-38941, Annex 1
838	38941	Sierra Space Corporation	COLLABORATIVE RESEARCH AND DEVELOPMENT IN THE AREA OF HYPERSONIC TECHNOLOGIES.	9/12/2023	9/12/2028	Non-Reimbursable	\$0	LaRC	SAA1-38941
839	38780	BLUE ORIGIN, LLC	SCIFLI NEW SHEPARD CALIBRATION SUPPORT	7/25/2023	9/30/2024	Reimbursable	-----	LaRC	SAA8-2235543, Annex 7
840	38659	The Boeing Company	2023 Boeing ecoDemonstrator Emissions Flight Test	9/27/2023	9/27/2025	Non-Reimbursable	\$2,617,415	LaRC	SAA1-35361, Annex 2



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841	38658	General Electric Aerospace	2023 ecoDemonstrator Emissions Flight Test	7/28/2023	7/28/2026	Reimbursable	-----	LaRC	SAA1-38658
842	38585	Northrop Grumman Corporation	annex to REIMBURSABLE SPACE ACT UMBRELLA AGREEMENT No.31359/SAA2-403514 BETWEEN NASA ARC AND NORTHROP GRUMMAN CORPORATION FOR WIND TUNNEL TESTING	9/25/2023	9/25/2024	Reimbursable	-----	LaRC	SAA2-403514, Annex 6
843	38513	University of Arizona Applied Research Corporation	SPACE MIRROR APERTURE ASSEMBLY INTEGRATED HARDWARE TESTING	4/10/2023	4/10/2024	Non-Reimbursable	\$282,727	LaRC	SAA1-36330, Annex 2
844	38509	Rohr, Inc.	Advanced Acoustic Liner Evaluation via the NASA Curved Duct Test Rig (CDTR)	6/2/2023	9/30/2024	Reimbursable	-----	LaRC	SAA1-38508, Annex 1
845	38508	Rohr, Inc.	Advanced Acoustic Liner Research	6/2/2023	6/2/2028	Reimbursable	-----	LaRC	SAA1-38508
846	38098	INTUITIVE MACHINES, LLC	Earth Entry Vehicle Support	1/26/2023	1/26/2028	Reimbursable	-----	LaRC	SAA1-38098
847	38060	MathWorks	Custom Flight Control Law Integration into a Subscale eVTOL Aircraft	4/6/2023	10/6/2024	Non-Reimbursable	\$198,884	LaRC	SAA1-38060

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848	37972	INTEL CORPORATION	Fabrication of Copper and Diamond Composite Test Samples	3/14/2023	3/14/2025	Reimbursable	-----	LaRC	SAA1-32088, Annex 2
849	37877	UNITED LAUNCH ALLIANCE, LLC	HIAD DEVELOPMENT TO MISSION PDR LEVEL	12/12/2022	6/30/2024	Reimbursable	-----	LaRC	SAA1-37876, Annex 1
850	37876	UNITED LAUNCH ALLIANCE, LLC	COMMERCIAL SPACE TRANSPORTATION DEVELOPMENT SUPPORT	12/12/2022	12/12/2027	Reimbursable	-----	LaRC	SAA1-37876
851	37804	JOHNS HOPKINS UNIVERSITY / APPLIED PHYSICS LAB	Advanced Cooling Architectures Wind Tunnel Experiments	3/21/2023	9/30/2025	Non-Reimbursable	\$262,741	LaRC	SAA1-37803, Annex 1
852	37803	JOHNS HOPKINS UNIVERSITY / APPLIED PHYSICS LAB	BOUNDARY LAYER TRANSITION (BOLT) AND BOLT DERIVATIVE RESEARCH COLLABORATION	3/21/2023	3/21/2028	Non-Reimbursable	\$0	LaRC	SAA1-37803
853	37696	Blue Origin, LLC	Terahertz Scanning Application for Blue Origin	12/6/2022	12/6/2024	Reimbursable	-----	LaRC	SAA-EA-20-29343, Annex 26
854	37676	Lockheed Martin	Computational Materials-Informed Qualification and Certification	8/29/2023	8/29/2028	Non-Reimbursable	\$262,115	LaRC	SAA1-37675, Annex 1

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855	37675	Lockheed Martin	Capabilities to Support Development and Acceptance of Advanced Manufacturing	8/29/2023	8/29/2028	Non-Reimbursable	\$0	LaRC	SAA1-37675
856	37623	Raytheon Company	Aeroheating in LAL	11/17/2022	12/1/2025	Reimbursable	----	LaRC	SAA1-37623
857	37557	Joby Aero, Inc	Collaboration with Joby, Inc. on Aerospace Technologies for Integrated Airspace Operations for Urban Air Mobility (UAM)	3/9/2023	5/9/2027	Non-Reimbursable	\$476,202	LaRC	SAA2-403660, Annex 2
858	37517	Hampton University	Polarimetry Studies	4/20/2023	4/20/2025	Non-Reimbursable	\$139,795	LaRC	SAA1-37493, Annex 2
859	37498	RELATIVITY SPACE, INC.	UNSTEADY AERODYNAMIC TEST IN NASA LaRC UPWT	12/1/2022	9/30/2024	Reimbursable	----	LaRC	SAA8-2033020, Annex 2
860	37494	Hampton University	Lidar Studies	4/20/2023	4/20/2025	Non-Reimbursable	\$182,117	LaRC	SAA1-37493, Annex 1
861	37493	Hampton University	Collaboration Research, Development, and Testing	4/20/2023	4/20/2025	Non-Reimbursable	\$0	LaRC	SAA1-37493

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862	37351	ROLLS-ROYCE CORP	Hypersonic Propulsion Mission Analysis	2/26/2024	2/26/2025	Non-Reimbursable	\$55,285	LaRC	SAA1-37350, Annex 1
863	37350	ROLLS-ROYCE CORP	Hypersonic Propulsion Research, Development, and Collaboration	2/26/2024	2/26/2029	Non-Reimbursable	\$0	LaRC	SAA1-37350
864	37320	UNIVERSITY OF MARYLAND	SUPPORT OF FLUID-THERMAL-STRUCTURE INTERACTIONS TESTING, PART 1, IN LARC-LAL HYPERSONIC BLOW-DOWN WIND TUNNELS	2/13/2024	2/13/2026	Non-Reimbursable	\$418,329	LaRC	SAA1-37319, Annex 1
865	37319	UNIVERSITY OF MARYLAND	HYPERSONIC SHOCKWAVE BOUNDARY LAYER FLUID-THERMAL-STRUCTURE INTERACTIONS TECHNOLOGY DEVELOPMENT	2/13/2024	2/13/2029	Non-Reimbursable	\$0	LaRC	SAA1-37319
866	37309	University of Illinois at Urbana-Champaign	COLLABORATION IN DESIGN, RESEARCH AND DEVELOPMENT OF HIGH TEMPERATURE MATERIALS	12/7/2022	12/7/2024	Non-Reimbursable	\$324,123	LaRC	SAA1-37309
867	37294	uAvionix Corporation	NASA and uAvionix UAS C2 Collaboration	2/23/2023	2/23/2025	Non-Reimbursable	\$79,542	LaRC	SAA1-37294
868	36977	The Longbow Group, LLC	High Density Vertiplex Technologies and Concepts	11/8/2022	11/8/2024	Non-Reimbursable	\$337,173	LaRC	SAA1-34272, Annex 3

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869	36944	AEROJET ROCKETDYNE, INC	COLLABORATIVE RESEARCH AND DEVELOPMENT IN THE AREA OF HYPERSONIC TECHNOLOGIES.	8/11/2022	8/11/2027	Reimbursable	----	LaRC	SAA1-36944
870	36938	SIERRA NEVADA CORPORATION	THERMAL MODELING, ANALYSIS, AND TESTING SUPPORT	7/12/2022	12/31/2024	Reimbursable	----	LaRC	Task Plan 006 (36938)
871	36935	VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	Advanced Sensing for Urban Air Mobility and Intelligent Transportation Systems	8/30/2022	8/30/2024	Non-Reimbursable	\$110,500	LaRC	SAA1-36204-ANNEX 2
872	36891	Honeywell International Inc.	Implementation and Optimization of Conventional and Novel Acoustic Liner Concepts	7/1/2022	6/30/2024	Non-Reimbursable	\$26,488	LaRC	SAA1-36890, Annex 1
873	36890	Honeywell International Inc.	Exploration of acoustic liner technology to enable quieter aircraft	7/1/2022	6/30/2027	Non-Reimbursable	\$0	LaRC	SAA1-36890
874	36826	Port Authority of New York and New Jersey	Concepts of Operation (ConOps) and Airspace Procedure Investigations for UAM in New York City	2/17/2023	2/16/2028	Non-Reimbursable	\$767,172	LaRC	SAA1-36825, Annex 1
875	36825	Port Authority of New York and New Jersey	Urban Air Mobility (UAM) and Advanced Air Mobility (AAM) Exploratory Research for New York City	2/17/2023	2/16/2028	Non-Reimbursable	\$0	LaRC	SAA1-36825

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876	36768	The City of Hampton Police Department	Storage of Ammunition and Access to Firing Range	4/10/2023	7/1/2024	Non-Reimbursable	\$7,555	LaRC	SAA1-36768
877	36718	Hexcel Corporation	Investigation of Novel Acoustic Liner Concepts	6/10/2022	9/30/2024	Non-Reimbursable	\$20,634	LaRC	SAA1-33328, Annex 2
878	36549	Paradigm Materials	Development of AERoBOND Materials Co-Cure Assembly of Composite Structures	5/26/2022	12/1/2024	Non-Reimbursable	\$141,864	LaRC	SAA1-36549
879	36475	TUFTS UNIVERSITY	COLLABORATIVE RESEARCH, DEVELOPMENT, AND TESTING OPPORTUNITIES	4/26/2022	4/26/2027	Non-Reimbursable	\$0	LaRC	SAA1-36475
880	36469	Raytheon Technologies Corporation	Design, Development, and Assessment of Noise Reduction Technology for Quiet Aircraft	6/22/2022	6/30/2024	Non-Reimbursable	\$34,882	LaRC	SAA1-36468, Annex 1
881	36468	Raytheon Technologies Corporation	Metamaterial-Based Acoustic Liner Design Methods	6/22/2022	6/21/2027	Non-Reimbursable	\$0	LaRC	SAA1-36468
882	36451	Outpost Technologies Corporation	CONCEPTUAL DESIGN OF HIAD FOR REUSABLE SATELLITE	8/9/2022	9/30/2024	Reimbursable	-----	LaRC	SAA1-36450-ANNEX 1

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883	36450	Outpost Technologies Corporation	DESIGN AND FABRICATION OF A HIAD TO ENABLE RETURN AND RECOVERY OF SATELLITES FOR REUSE	8/9/2022	8/9/2027	Reimbursable	-----	LaRC	SAA1-36450
884	36429	VENUS AEROSPACE CORPORATION	High Mach Aircraft Research, Development and Collaboration	3/24/2023	3/24/2025	Non-Reimbursable	\$253,610	LaRC	SAA1-36428, Annex 1
885	36428	VENUS AEROSPACE CORPORATION	HYPERSONIC AIRCRAFT & ROCKET PROPULSION RESEARCH, DEVELOPMENT, AND COLLABORATION	3/24/2023	3/24/2028	Non-Reimbursable	\$0	LaRC	SAA1-36428
886	36330	University of Arizona Applied Research Corporation	COLLABORATIVE RESEARCH, DEVELOPMENT, AND TESTING OPPORTUNITIES	5/23/2022	5/23/2027	Non-Reimbursable	\$0	LaRC	SAA1-36330
887	36327	The Longbow Group, LLC	Evaluation of Prognostic Services for Autonomous Air Vehicles in Urban Environments	4/29/2022	4/29/2025	Non-Reimbursable	\$457,165	LaRC	SAA1-34272, Annex 2
888	36302	Newport News Public School District	Fabrication of Wood Shipping Crates and Reduced Gravity Gloveboxes	3/22/2022	9/30/2026	Non-Reimbursable	\$34,268	LaRC	SAA1-36296, Annex 2
889	36297	Newport News Public School District	Fabrication of Storage Lockers for the International Space Station (ISS)	3/17/2022	9/30/2026	Non-Reimbursable	\$34,268	LaRC	SAA1-36296, Annex 1

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890	36296	Newport News Public School District	High Schools United with NASA to Create Hardware (HUNCH) Program	3/17/2022	3/17/2027	Non-Reimbursable	\$0	LaRC	SAA1-36296
891	36277	The Boeing Company	SYSTEM-WIDE SAFETY RESEARCH	5/24/2022	5/24/2026	Non-Reimbursable	\$539,092	LaRC	SAA1-33523, Annex 2
892	36252	University of Nebraska - Lincoln	COLLABORATIVE RESEARCH, DEVELOPMENT, AND TESTING OPPORTUNITIES	6/6/2022	6/6/2027	Non-Reimbursable	\$0	LaRC	SAA1-36252
893	36204	VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	COLLABORATIVE RESEARCH, DEVELOPMENT, AND TESTING OPPORTUNITIES	8/15/2022	8/15/2027	Non-Reimbursable	\$0	LaRC	SAA1-36204
894	36144	Sierra Nevada Corporation	Induced Loads and Environments Support for the ISS CRS2 Program	2/18/2022	9/30/2024	Reimbursable	-----	LaRC	Task Plan 005
895	36136	Honeybee Robotics, Ltd	Evaluation of Passive Lunar Dust Mitigation Materials in the PlanetVac Collection Chamber	4/18/2022	3/31/2025	Non-Reimbursable	\$25,777	LaRC	SAA1-36136
896	36115	RAYTHEON COMPANY	BOLT and BOLT-Derivative Research Collaboration	5/6/2022	9/30/2024	Non-Reimbursable	\$737,395	LaRC	SAA1-36114, Annex 1



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897	36114	RAYTHEON COMPANY	HYPERSONIC TECHNOLOGIES RESEARCH, DEVELOPMENT & TESTING	5/6/2022	5/6/2027	Non-Reimbursable	\$0	LaRC	SAA1-36114
898	35810	Raytheon Technologies Intelligence and Space	Optical Remote Sensing for Space Applications in Robotics and Surveillance	12/17/2021	12/17/2026	Reimbursable	----	LaRC	SAA1-35810
899	35777	Psionic, LLC	Subject Matter Expertise Support for Commercialization of Navigation Doppler Lidar Generation 4 Technology	12/13/2021	12/31/2024	Reimbursable	----	LaRC	SAA1-35776, Annex 1
900	35776	Psionic, LLC	Space Technology Commercialization for Measurement and Materials Applications	12/13/2021	12/13/2026	Reimbursable	----	LaRC	SAA1-35776
901	35643	North Carolina State University	Optimization, Multifunctionality, and Active Control of Deployable Composite Structures, Annex 1	1/28/2022	1/28/2026	Non-Reimbursable	\$2,352,564	LaRC	SAA1-35642, Annex 1
902	35642	North Carolina State University	Optimization, Multifunctionality, and Active Control of Deployable Composite Structures	1/28/2022	1/28/2026	Non-Reimbursable	\$0	LaRC	SAA1-35642
903	35566	University of Texas at El Paso	Evaluation of Additive Manufacturing Print Quality via Standardized Test Artifact	1/20/2022	1/20/2027	Non-Reimbursable	\$138,810	LaRC	SAA1-35566

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904	35362	The Boeing Company	ecoDemonstrator Emissions Testing	5/4/2022	5/4/2025	Non-Reimbursable	\$509,681	LaRC	SAA1-35361, Annex 1
905	35361	The Boeing Company	Aerospace Research Development	5/4/2022	5/4/2027	Non-Reimbursable	\$0	LaRC	SAA1-35361
906	35097	Old Dominion University	Annex to Collaboration Research, Development, and Testing	8/19/2021	12/31/2024	Non-Reimbursable	\$9,027	LaRC	SAA1-34376, Annex 4
907	35070	Varda Space Industries	EDL Analysis Support	8/16/2021	8/16/2024	Reimbursable	-----	LaRC	SAA1-35070
908	34765	TEXAS A&M UNIVERSITY	Hypervelocity impact (HVI), and High Velocity Microparticle Impact (HVMI) testing	1/18/2022	1/31/2026	Non-Reimbursable	\$385,882	LaRC	SAA1-34764, Annex 1
909	34764	TEXAS A&M UNIVERSITY	COLLABRITIVE RESEARCH AND DEVELOPMENT IN THE AREA OF HYPERSONIC TECHNOLOGIES	1/18/2022	1/18/2027	Non-Reimbursable	\$0	LaRC	SAA1-34764
910	34717	Massachusetts Institute of Technology	Self-Erectable Lunar Tower for Instrument (SELT1) Development	7/6/2021	7/6/2024	Non-Reimbursable	\$694,498	LaRC	SAA1-34717

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911	34377	Old Dominion University	Visual Attention Allocation and Trust in Human-Autonomy Teaming	5/3/2021	5/3/2026	Non-Reimbursable	\$527,702	LaRC	SAA1-34376, Annex 1
912	34376	Old Dominion University	Collaboration Research, Development, and Testing	5/3/2021	5/3/2026	Non-Reimbursable	\$0	LaRC	SAA1-34376
913	34288	Arizona State University	Investigation of Bio-Inspired Material Surfaces for Dust Mitigation in Space Applications	4/5/2021	4/5/2024	Non-Reimbursable	\$16,910	LaRC	SAA1-34287, Annex 1
914	34287	Arizona State University	Collaborative Aerospace Research and Outreach	4/5/2021	4/5/2026	Non-Reimbursable	\$0	LaRC	SAA1-34287
915	34272	The Longbow Group, LLC	Unmanned Systems Collaborative testing at Fort Monroe	4/12/2021	4/12/2026	Non-Reimbursable	\$0	LaRC	SAA1-34272
916	34241	MATERIALS RESEARCH AND DESIGN, INC	Carbon/Carbon Aeroshell Testing to Delay Hypersonic Boundary-Layer Transition	2/9/2022	12/31/2025	Non-Reimbursable	\$245,701	LaRC	SAA1-34241
917	34215	Stevens Institute of Technology	Boundary Layer Measurements with Advanced Diagnostics	5/4/2021	9/30/2025	Non-Reimbursable	\$302,727	LaRC	SAA1-34215

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918	33681	BNNT, LLC	annex to DEVELOPMENT AND OPTIMIZATION OF BORON NITRIDE NANOTUBES	10/1/2021	8/21/2024	Non-Reimbursable	\$94,999	LaRC	SAA1-30606, Annex 2
919	33524	The Boeing Company	Integration, Demonstration and Exploration of Autonomous Systems	2/7/2022	2/7/2025	Non-Reimbursable	\$215,012	LaRC	SAA1-33523, Annex 1
920	33523	The Boeing Company	Aerospace Research Technology, Development, Testing and Evaluation	2/7/2022	2/7/2027	Non-Reimbursable	\$0	LaRC	SAA1-33523
921	33356	OptoKnowledge Systems, Inc.	HYMETS TESTING USING REMOTE SPECTRAL SENSORS	1/4/2021	9/30/2024	Reimbursable	----	LaRC	SAA1-33356
922	33328	Hexcel Corporation	Investigation of Manufacturing Techniques for Novel Acoustic Liners	9/15/2020	9/15/2025	Non-Reimbursable	\$0	LaRC	SAA1-33328
923	33199	SkyCorp, Inc.	Skycorp Orbital Logistics Vehicle	3/1/2021	3/1/2026	Reimbursable	----	LaRC	SAA1-33199
924	32988	Texas A&M University	System-Wide Safety Research in Advanced Air Mobility (AAM)	3/16/2021	3/16/2026	Non-Reimbursable	\$328,412	LaRC	SAA1-32987, Annex 1

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925	32987	Texas A&M University	Advanced Air Mobility Research and Testing	3/16/2021	3/16/2026	Non-Reimbursable	\$0	LaRC	SAA1-32987
926	32809	IKONICS Corporation	Investigation of Liner Facesheet Manufacturing Innovations	8/13/2020	8/13/2025	Non-Reimbursable	\$0	LaRC	SAA1-32809
927	32792	Radford University	Collaboration between NASA and Radford University's Modeling and Simulation Institute	8/3/2020	8/3/2025	Non-Reimbursable	\$0	LaRC	SAA1-32792
928	32735	National Institute of Aerospace	Transition Prediction and Control for Blunt Hypersonic Configurations with Hemispherical and Ogival Nostips	7/22/2020	4/30/2024	Reimbursable	----	LaRC	SAA1-31764, ANNEX 2
929	32707	Lockheed Martin	Wind Tunnel Testing	4/12/2021	4/12/2026	Reimbursable	----	LaRC	SAA1-32707
930	32662	Mississippi State University	Cooperative Stitched Composite Structures Development and Characterization	10/2/2020	10/2/2025	Non-Reimbursable	\$0	LaRC	SAA1-32662
931	32651	JOHNS HOPKINS UNIVERSITY / APPLIED PHYSICS LAB	Dynamic Balance Proof of Concept Study	9/3/2020	9/30/2024	Non-Reimbursable	\$270,898	LaRC	SAA1-32651

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932	32643	University of California San Diego	COLLABORATIVE AEROSPACE RESEARCH AND OUTREACH	11/17/2020	11/17/2025	Non-Reimbursable	\$0	LaRC	SAA1-32643
933	32601	Purdue University	COLLABORATIVE AEROSPACE RESEARCH AND OUTREACH	7/16/2020	7/16/2025	Non-Reimbursable	\$0	LaRC	SAA1-32601
934	32576	Carnegie Mellon University	Carnegie Mellon University (CMU) Collaboration with NASA LaRC on the Research and Development of the Qualification of Additively Manufactured Parts	7/13/2020	7/13/2025	Non-Reimbursable	\$675,580	LaRC	SAA1-32576
935	32508	UNIVERSITY OF NORTH DAKOTA	Investigation of Novel Wear-Resistant Materials for Space Applications	7/24/2020	7/24/2024	Non-Reimbursable	\$39,258	LaRC	SAA1-32507-Annex 1
936	32507	UNIVERSITY OF NORTH DAKOTA	Collaborative Aerospace and Research	7/24/2020	7/24/2025	Non-Reimbursable	\$0	LaRC	SAA1-32507
937	32449	L3HARRIS TECHNOLOGIES, INC.	Aerospace Research Development Testing and Evaluation Support	12/15/2020	12/15/2025	Reimbursable	-----	LaRC	SAA1-32449
938	32320	THE UNIVERSITY OF TEXAS AT SAN ANTONIO	Shock Wave Boundary Layer Interactions	11/19/2020	9/30/2024	Non-Reimbursable	\$328,711	LaRC	SAA1-32320

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939	32298	THE VIRGINIA AIR AND SPACE CENTER AND CITY OF HAMPTON	A Joint Public Lecture Series Entitled The Sigma Series	6/12/2020	6/12/2025	Non-Reimbursable	\$105,598	LaRC	SAA1-32298
940	32252	Blue Origin, LLC	Provide Forced Oscillation Testing in Transonic Dynamics Tunnel for the Blue Origin Crew Capsule	11/4/2020	4/13/2024	Reimbursable	-----	LaRC	SAA2-403403, Annex 2
941	32242	University of North Carolina at Chapel Hill	Mentoring for Commercializing Emerging Technologies Studies	8/10/2021	8/10/2026	Non-Reimbursable	\$9,313	LaRC	SAA1-32242
942	32166	VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY	Air Quality Monitoring Site	8/13/2020	8/13/2025	Non-Reimbursable	\$47,380	LaRC	IA1-32166
943	32088	INTEL CORPORATION	Development of high thermal conductivity material for next generation processors	8/17/2021	8/17/2026	Reimbursable	-----	LaRC	SAA1-32088
944	32044	National Institute for Aviation Research- Wichita State University (niar)	Composites NDE standards library and database administration	4/24/2020	4/24/2025	Non-Reimbursable	\$23,548	LaRC	SAA1-32044
945	32036	Hermeus Corporation	Collaboration for Aerospace Research, Development and Testing	11/9/2020	11/9/2025	Non-Reimbursable	\$0	LaRC	SAA1-32036

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946	31974	TEXAS A&M UNIVERSITY	Boundary Layer Turbulence (BOLT) Flight II Experiments	4/23/2021	9/30/2024	Non-Reimbursable	\$256,604	LaRC	SAA1-31974
947	31765	National Institute of Aerospace	Novel Concepts for Transition Delay in Hypersonic Boundary Layers Support	7/17/2020	4/30/2024	Reimbursable	----	LaRC	SAA1-31764, Annex 1
948	31764	National Institute of Aerospace	RESEARCH, EDUCATIONAL OUTREACH, AND TESTING ACTIVITIES	7/17/2020	7/17/2025	Reimbursable	----	LaRC	SAA1-31764
949	31663	THE SPACESHIP COMPANY	Collaboration to Commercialize High Mach Aircraft	3/20/2020	3/20/2025	Non-Reimbursable	\$0	LaRC	SAA1-31663
950	31140	GENERAL ATOMICS AERONAUTICAL SYSTEMS, INC.	Evaluation of Acoustic Liners for Fan Noise Reduction	10/9/2019	10/9/2024	Reimbursable	----	LaRC	SAA1-31140
951	30706	MOOG, INC	AEROSPACE RESEARCH TECHNOLOGY AND DEVELOPMENT	1/18/2020	1/18/2025	Non-Reimbursable	\$0	LaRC	SAA1-30706
952	30606	BNNT, LLC	DEVELOPMENT AND OPTIMIZATION OF BORON NITRIDE NANOTUBES	8/21/2019	8/21/2024	Non-Reimbursable	\$0	LaRC	SAA1-30606



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953	29851	Exothermics, Inc.	Thermochemical Response of UHT Hypersonic Leading-Edge Candidates	3/26/2019	9/30/2024	Reimbursable	-----	LaRC	SAA1-29851
954	40441	U.S SPACE AND ROCKET CENTER	annex to U.S. Space and Rocket Center Space Act Umbrella Agreement	1/15/2024	1/15/2025	Non-Reimbursable	\$122,703	MSFC	SAA8-2031097.6
955	40417	Rocket Lab USA, Inc.	Propellant Thermal and Slosh Modeling for Rocket Lab	3/25/2024	3/25/2025	Reimbursable	-----	MSFC	SAA8-2135703.5
956	40345	BLUE ORIGIN, LLC	annex to Exchange of Technical Expertise for commercial space transportation	3/27/2024	3/27/2025	Reimbursable	-----	MSFC	SAA8-2235543.8
957	40300	Louisiana State University	Electrostatic Sail Control System Development	2/13/2024	2/13/2025	Non-Reimbursable	\$10,290	MSFC	SAA8-2439946.1
958	40247	LOCKHEED MARTIN	Space Nuclear Propulsion DRACO Cold Flow Testing TS3□	2/15/2024	2/15/2026	Reimbursable	-----	MSFC	SAA8-2134592.14
959	40193	Raytheon Technologies	Raytheon Hypersonic Air-Launched Offensive Anti-Surface Warfare Weapon System (HALO)	2/21/2024	2/21/2025	Reimbursable	-----	MSFC	SAA8-2236871.3

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960	40129	New Orleans Aviation Board	New Orleans Aviation Board	3/20/2024	3/19/2026	Non-Reimbursable	\$2,282	MSFC	SAA8-2440129
961	40079	VAYA Space Incorporated	Engineering Support	1/18/2024	1/18/2026	Reimbursable	----	MSFC	SAA8-2339817.1
962	40028	Morgan State University	LOX/RP-1 Testing for Morgan State	3/13/2024	3/13/2025	Reimbursable	----	MSFC	SAA8-2440028
963	39986	FENIX SPACE, INC.	Hypersonic Design and Analysis Consultation	12/14/2023	12/14/2025	Reimbursable	----	MSFC	SAA8-2339985.1
964	39985	FENIX SPACE, INC.	Hypersonic Design and Analysis Consultation	12/14/2023	12/14/2028	Reimbursable	----	MSFC	SAA8-2339985
965	39976	Northrop Grumman Corporation, AS Sector	Northrop Grumman Corporation @ HGF	2/26/2024	2/26/2025	Reimbursable	----	MSFC	SAA8-2339975.1
966	39975	Northrop Grumman Systems Corporation, AS Sector	Exchange of Technical Expertise for commercial space transportation	2/26/2024	2/26/2029	Reimbursable	----	MSFC	SAA8-2339975

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967	39946	Louisiana State University	Electrostatic Sail Control System Development	1/13/2024	1/13/2029	Non-Reimbursable	\$0	MSFC	SAA8-2439946
968	39939	Materials Research and Design Inc	LOX/RP-1 TESTING FOR MATERIALS RESEARCH AND DESIGN	2/6/2024	2/6/2025	Reimbursable	----	MSFC	SAA8-2339939
969	39927	BLUE ORIGIN, LLC	Hot Hydrogen Testing Activities in CFEET Furnace	11/14/2023	5/14/2024	Reimbursable	----	MSFC	SAA-EA-20-29343.46
970	39898	NANORACKS, LLC	Annex 4 to Deep Space Transportation Technology Development	11/21/2023	11/21/2024	Reimbursable	----	MSFC	SAA8-2338534.4
971	39876	Above:Space Development Corporation	annex to Development of Commercial Space Station Technology	11/8/2023	5/8/2024	Reimbursable	----	MSFC	SAA8-2338746.2
972	39817	VAYA Space Incorporated	Space Exploration Technology Development	1/18/2024	1/18/2029	Reimbursable	----	MSFC	SAA8-2339817
973	39815	CB&I Storage Tank Solutions LLC	Hydrogen Tank Checkout and Testing	12/18/2023	12/18/2025	Reimbursable	----	MSFC	SAA8-2339814.1

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974	39814	CB&I Storage Tank Solutions LLC	DEVELOPMENT AND CHARACTERIZATION OF LIQUID HYDROGEN STORAGE AND TRANSPORTATION TECHNOLOGIES	12/18/2023	12/18/2028	Reimbursable	----	MSFC	SAA8-2339814
975	39807	Intrepid Museum	2024 RS25 Engine Trailer Exhibit Loan	1/16/2024	1/16/2025	Reimbursable	----	MSFC	SAA8-2339806.1
976	39806	Intrepid Museum	Loan of RS-25 Engine Trailer for Public Display	1/16/2024	1/16/2025	Reimbursable	----	MSFC	SAA8-2339806
977	39787	LOCKHEED MARTIN	Space Nuclear Propulsion DRACO Cold Flow Testing TS1	12/14/2023	12/14/2024	Reimbursable	----	MSFC	SAA8-2134592.12
978	39782	FIREFLY AEROSPACE INC.	Design Consultation	11/28/2023	9/28/2028	Reimbursable	----	MSFC	SAA8-2339781.1
979	39781	FIREFLY AEROSPACE INC.	Technical Expertise and Testing for Launch, In-Space Transportation, and Landing Systems	11/28/2023	11/28/2028	Reimbursable	----	MSFC	SAA8-2339781
980	39740	RELATIVITY SPACE, INC.	Design and Manufacturing Review for Rocket Engine Components	12/4/2023	12/4/2026	Reimbursable	----	MSFC	SAA8-2339739.1

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981	39739	RELATIVITY SPACE, INC.	Rocket Engine Development and Test	12/4/2023	12/4/2028	Reimbursable	----	MSFC	SAA8-2339739
982	39738	RAYTHEON COMPANY	Rain Impact Erosion Testing of TPS Materials	1/9/2024	7/9/2025	Reimbursable	----	MSFC	SAA8-2339738
983	39657	Maxar Space LLC	Demand Services for Space Environmental Effects Testing	9/29/2023	9/29/2024	Reimbursable	----	MSFC	SAA8-2339656.1
984	39656	Maxar Space LLC	Space Environmental Effects Testing	9/29/2023	9/29/2028	Reimbursable	----	MSFC	SAA8-2339656
985	39620	BLUE ORIGIN, LLC	REIMBURSABLE SUPPORT SERVICES IN CONNECTION WITH PARTNER'S USE OF BUILDING 4666 EUL	12/22/2023	12/22/2025	Reimbursable	----	MSFC	SAA8-2338142.2
986	39619	UNIVERSITY OF PITTSBURGH	Fireball Network Station at Allegheny Observatory	9/21/2023	9/21/2028	Non-Reimbursable	\$1,618	MSFC	SAA8-2339619
987	39496	United Launch Alliance	ULA PAF Structural Test _ FID	9/28/2023	9/28/2024	Reimbursable	----	MSFC	SAA8-1726580.18

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988	39488	LOCKHEED MARTIN	Modeling, Characterization, and Ground Testing of VOODU Joining Module	3/18/2024	3/18/2029	Reimbursable	----	MSFC	SAA8-2439487.1
989	39487	LOCKHEED MARTIN	Analytical and Testing Activities to Support Joining Demonstrations In-Space	3/18/2024	3/18/2029	Reimbursable	----	MSFC	SAA8-2439487
990	39485	U.S. Space & Rocket Center	Relocation of NASA Assets	10/5/2023	4/5/2024	Reimbursable	----	MSFC	SAA8-2338251.4
991	39470	UNITED LAUNCH ALLIANCE, LLC	ULA Vulcan Engine Reuse Scale (VERS) Hypersonic Inflatable Aerodynamic Decelerator (HIAD)	7/20/2023	7/20/2028	Funded	\$25,000,000	MSFC	39470
992	39469	LOCKHEED MARTIN	Joining Demonstrations In-Space (JOINS)	7/20/2023	7/20/2028	Funded	\$9,053,467	MSFC	39469
993	39468	Redwire Space Inc	Infrastructure Manufacturing with Lunar Regolith - Mason	7/20/2023	7/20/2028	Funded	\$12,910,000	MSFC	39468
994	39440	ThinkOrbital Inc.	ANALYSIS AND MODELING OF IN-SPACE WELDING	9/27/2023	9/27/2025	Non-Reimbursable	\$12,001	MSFC	SAA8-2339439.1

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995	39439	ThinkOrbital Inc.	SPACE EXPLORATION TECHNOLOGY DEVELOPMENT FOR IN-SPACE WELDING	9/27/2023	9/27/2028	Non-Reimbursable	\$0	MSFC	SAA8-2339439
996	39430	NANORACKS, LLC	ECLSS Risk Reduction Activity	10/12/2023	10/12/2026	Reimbursable	----	MSFC	SAA8-2338534.2
997	39384	THE UNIVERSITY OF TENNESSEE SPACE INSTITUTE	Fireball Network Station at UTSI	8/31/2023	8/31/2028	Non-Reimbursable	\$1,486	MSFC	SAA8-2339384
998	39328	Northrop Grumman Systems Corporation	Radiation Testing of Thin Composite Materials	1/9/2024	1/9/2026	Reimbursable	----	MSFC	SAA8-2339327.1
999	39327	Northrop Grumman Systems Corporation	Space Environmental Effects Testing	1/9/2024	1/9/2029	Reimbursable	----	MSFC	SAA8-2339327
1000	39320	Nikon Inc.	Artemis Hand Held Camera Development	11/14/2023	11/14/2026	Non-Reimbursable	\$381,081	MSFC	SAA8-2339320
1001	39277	Sierra Space	Design and Manufacturing Review for Rocket Engine Components	9/14/2023	9/14/2026	Reimbursable	----	MSFC	SAA8-2339276.1

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1002	39276	Sierra Space	Rocket Engine Development and Test	9/14/2023	9/14/2028	Reimbursable	----	MSFC	SAA8-2339276
1003	39225	United Launch Alliance	ULA Centaur V STA1 Stand Restoration	9/22/2023	9/22/2024	Reimbursable	----	MSFC	SAA8-1726580.17
1004	39224	United Launch Alliance	ULA Centaur V STA 2	10/18/2023	10/18/2024	Reimbursable	----	MSFC	SAA8-1726580.16
1005	39223	United Launch Alliance	United Launch Alliance (ULA) Cryogenic Pressure Cycling Test -Centaur V Structural Test Article STA 1.5	8/2/2023	8/2/2024	Reimbursable	----	MSFC	SAA8-1726580.15
1006	39221	RELATIVITY SPACE, INC.	Terran-R Hot Staging Plume Environments Modeling Activities	12/13/2023	12/13/2024	Reimbursable	----	MSFC	SAA8-2033020.5
1007	39183	THE BOEING COMPANY	DISASSEMBLY AND EVALUATION OF CST100 COMPONENTS	8/22/2023	8/22/2024	Reimbursable	----	MSFC	CCtCap8-2339183
1008	39176	Huntsville City Football Club	Loan of J2X rocket engine and general public engagement	10/17/2023	9/20/2028	Non-Reimbursable	\$2,000	MSFC	SAA8-2339175.1



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1009	39175	Huntsville City Football Club	Space Exploration Education and Engagement	9/20/2023	9/20/2028	Non-Reimbursable	\$0	MSFC	SAA8-2339175
1010	39171	OBERLIN COLLEGE AND CONSERVATORY	Fireball Network Station at Oberlin	9/1/2023	9/1/2028	Non-Reimbursable	\$2,402	MSFC	SAA8-2339171
1011	39159	BLUE ORIGIN, LLC	Annex for BE-3 Waterflow Testing	7/21/2023	7/21/2024	Reimbursable	----	MSFC	SAA8-1931648.3
1012	39040	UNITED LAUNCH ALLIANCE, LLC	Oversight of Repairs to Test Stand 4699	3/13/2024	5/13/2026	Reimbursable	----	MSFC	SAA8-2339040
1013	38978	International Business Machines (IBM) Corporation	annex to the Discovery, Access and Use of Large Science Datasets	7/12/2023	7/12/2025	Non-Reimbursable	\$844,194	MSFC	SAA8-2233097.2
1014	38965	U.S. Space & Rocket Center	annex to Build a scaled model of the HLS Starship and funded by the U.S. Space and Rocket Center	7/5/2023	7/5/2024	Reimbursable	----	MSFC	SAA8-2338251.3
1015	38951	ST. BERNARD SHERIFFS DEPARTMENT	St. Bernard Sheriff's Department	6/12/2023	6/12/2028	Non-Reimbursable	\$6,754	MSFC	SAA8-2338951

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1016	38911	Brigham Young University	Study of SLS Liftoff Trajectories to Estimate Acoustic Parameters	6/30/2023	6/30/2024	Non-Reimbursable	\$22,823	MSFC	SAA8-2338911
1017	38861	Torre Space and Power Systems, LLC	Plasma Chamber Testing of MHD Electrical Generator Test Articles	5/26/2023	5/26/2024	Reimbursable	----	MSFC	SAA8-2338860.1
1018	38860	Torre Space and Power Systems, LLC	Space Environment Recreation and Plasma Generation	5/26/2023	5/26/2028	Reimbursable	----	MSFC	SAA8-2338860
1019	38859	geCKo Materials, PBC	Space Environmental Effects Testing of geCKo Materials Dry Adhesive	5/26/2023	5/26/2024	Reimbursable	----	MSFC	SAA8-2338858.1
1020	38858	geCKo Materials, PBC	Space Environmental Effects and Materials Testing	5/26/2023	5/26/2028	Reimbursable	----	MSFC	SAA8-2338858
1021	38832	NORTHROP GRUMMAN SYSTEMS CORPORATION	SMART DEMO SRTM	7/17/2023	7/17/2024	Reimbursable	----	MSFC	SAA8-2338831.1
1022	38831	NORTHROP GRUMMAN SYSTEMS CORPORATION	The 2023 SMART DEMO SRTM	7/17/2023	7/17/2028	Reimbursable	----	MSFC	SAA8-2338831

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ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
1023	38821	United Launch Alliance	ULA Centaur V STA 2 Instrumentation	5/2/2023	5/2/2024	Reimbursable	----	MSFC	SAA8-1726580.14
1024	38815	NeXolve	Radiation and UV Test on NeXolve Materials	6/22/2023	6/22/2024	Reimbursable	----	MSFC	SAA8-2338815
1025	38779	HIRAM COLLEGE	Fireball Network Station at Hiram College	5/24/2023	5/24/2028	Non-Reimbursable	\$1,969	MSFC	SAA8-2338779
1026	38768	United Launch Alliance	Centaur V STA1 Post-Test	5/5/2023	5/5/2024	Reimbursable	----	MSFC	SAA8-1726580.13
1027	38746	Above:Space Development Corporation	Development of Commercial Space Station Technology	5/18/2023	5/18/2028	Reimbursable	----	MSFC	SAA8-2338746
1028	38692	U.S SPACE AND ROCKET CENTER	Annex to ALABAMA SPACE SCIENCE EXHIBIT COMMISSION	4/18/2023	4/18/2024	Non-Reimbursable	\$93,464	MSFC	SAA8-2031097.3
1029	38609	BLUE ORIGIN, LLC	Blue Origin Blue Ring	11/1/2023	3/1/2025	Reimbursable	----	MSFC	SAA8-2238609.38

Active Space Act Agreements (as of March 31, 2024) with U.S. Non-Federal Partners

ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
1030	38596	Kent Houston Offshore Engineering, L.L.C.	Technology Transfer and Technical and Engineering Services	10/26/2023	10/26/2026	Reimbursable	----	MSFC	SAA8-2338596
1031	38547	BLUE ORIGIN, LLC	Hot Hydrogen Testing Activities in CFEET Furnace	4/14/2023	12/31/2024	Reimbursable	----	MSFC	SAA-EA-20-29343.37
1032	38535	NANORACKS, LLC	Consultation on Lunar Communication Relay Satellite Testing	5/16/2023	5/16/2024	Reimbursable	----	MSFC	SAA8-2338534.1
1033	38534	NANORACKS, LLC	Deep Space Transportation Technology Development	5/16/2023	5/16/2028	Reimbursable	----	MSFC	SAA8-2338534
1034	38491	NEW CINGULAR WIRELESS PCS, LLC	CELLULAR SERVICE MICRO-TOWERS SUPPORTING FIRSTNET	8/15/2023	8/15/2028	Reimbursable	----	MSFC	SAA8-2338491
1035	38490	Plasma Processes, Inc.	One Newton Thruster Valve Fabrication, Assembly, and Qualification <input type="checkbox"/>	6/27/2023	6/29/2024	Reimbursable	----	MSFC	SAA8-2237691.2
1036	38441	Northeast Arkansas Career and Technical Center	TO PRODUCE HARDWARE OR OTHER USEFUL PRODUCTS UNDER THE HIGH SCHOOLS UNITED WITH NASA TO CREATE HARDWARE (HUNCH) PROGRAM	4/10/2023	4/10/2028	Non-Reimbursable	\$80,216	MSFC	SAA8-2338441

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1037	38364	Raytheon Technologies	Raytheon Wind Tunnel HAWK Testing	6/9/2023	6/9/2024	Reimbursable	----	MSFC	SAA8-2236871.2
1038	38342	RELATIVITY SPACE, INC.	annex to Rocket Engine Development and Test	5/19/2023	5/19/2025	Reimbursable	----	MSFC	SAA8-2033020.3
1039	38276	Spirit Aero Systems	Annex to Collaboration in Aeronautical Vehicle Manufacturing	7/18/2023	4/25/2024	Reimbursable	----	MSFC	SAA8-1828434.4
1040	38251	U.S. Space & Rocket Center	F-1 Rocket Engine Move at the U.S. Space & Rocket Center	3/29/2023	3/29/2028	Reimbursable	----	MSFC	SAA8-2338251
1041	38190	VENUS AEROSPACE CORPORATION	RDRE Additive Manufactured Hardware Test Collaboration - NON REIMBURSABLE	12/21/2023	3/21/2025	Non-Reimbursable	\$135,410	MSFC	SAA8-2338189.1
1042	38189	VENUS AEROSPACE CORPORATION	RDRE Additive Manufactured Hardware Test Collaboration	12/21/2023	12/21/2025	Non-Reimbursable	\$0	MSFC	SAA8-2338189
1043	38185	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	Fireball Network Station at Kitt Peak National Observatory (KPNO)	9/28/2023	9/28/2028	Non-Reimbursable	\$2,201	MSFC	SAA8-2338185

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1044	38143	BLUE ORIGIN, LLC	REIMBURSABLE SUPPORT SERVICES IN CONNECTION WITH PARTNER'S USE OF BUILDING 4666 EUL	11/19/2023	11/19/2028	Reimbursable	-----	MSFC	SAA8-2338142.1
1045	38142	BLUE ORIGIN, LLC	REIMBURSABLE SERVICES FOR BUILDING 4666 EUL DEMAND SERVICES	11/19/2023	11/19/2028	Reimbursable	-----	MSFC	SAA8-2338142
1046	38065	SHELL INTERNATIONAL EXPLORATION AND PRODUCTION, INC	Foam Insulation Test Specimen Preparation and Performance of Testing	4/24/2023	12/31/2024	Reimbursable	-----	MSFC	SAA8-2338064.1
1047	38064	SHELL INTERNATIONAL EXPLORATION AND PRODUCTION, INC	DEVELOPMENT AND CHARACTERIZATION OF LIQUID HYDROGEN STORAGE, TRANSFER, AND TRANSPORTATION TECHNOLOGIES	4/19/2023	4/19/2028	Reimbursable	-----	MSFC	SAA8-2338064
1048	38020	OffWorld, Incorporated	Payload Integration Activities for GOAL Spacecraft; SLS Secondary Payload	7/26/2023	1/26/2027	Non-Reimbursable	\$448,493	MSFC	SAA8-2338020
1049	37932	BLUE ORIGIN, LLC	Engineering Analysis and Testing	1/18/2023	1/18/2025	Reimbursable	-----	MSFC	SAA8-2237932.28
1050	37919	BWXT Advanced Technologies, LLC.	BWXT Coating Test for N2 Flow	5/23/2023	5/23/2028	Reimbursable	-----	MSFC	SAA8-2337919

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1051	37775	SIERRA SPACE CORP.	annex to EXPLORATION AND COMMERCIAL LOW EARTH ORBIT (LEO) TECHNOLOGY DEVELOPMENT AND RISK REDUCTION ACTIVITIES	2/1/2023	8/1/2024	Reimbursable	----	MSFC	SAA8-2236912.3
1052	37750	DYNETICS CORP.	Thermal System Assessments	11/17/2022	11/17/2027	Reimbursable	----	MSFC	SAA8-2237750
1053	37718	Corvid Technologies	Exchange of Technical Expertise for Commercial Space Transportation	11/22/2022	11/22/2027	Reimbursable	----	MSFC	SAA8-2237718
1054	37691	Plasma Processes, Inc.	One Newton Thruster Valve Design and Qualification	12/9/2022	12/9/2027	Reimbursable	----	MSFC	SAA8-2237691
1055	37625	Onyx Aerospace	Bi-Propellant Throttling Cavitating Venturi Valve Design	10/18/2022	10/18/2024	Reimbursable	----	MSFC	SAA8-2135668.2
1056	37582	UNIVERSITY OF ALABAMA	annex to Earth Science and Space Exploration Technology Development	3/27/2023	3/27/2026	Non-Reimbursable	\$69,770	MSFC	SAA8-2235160.2
1057	37581	BLUE ORIGIN, LLC	annex to Engineering Analysis and Testing	12/1/2022	2/7/2025	Reimbursable	----	MSFC	SAA-EA-20-29343.24

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1058	37491	SIERRA SPACE CORP.	Full Scale Softgoods Burst Test annex to EXPLORATION AND COMMERCIAL LOW EARTH ORBIT (LEO) TECHNOLOGY DEVELOPMENT AND RISK REDUCTION ACTIVITIES	2/1/2023	2/1/2025	Reimbursable	----	MSFC	SAA8-2236912.2
1059	37329	Amazon Kuiper Manufacturing Enterprises, LLC	Space Environmental Effects Testing of Materials and Systems	10/11/2022	10/11/2027	Reimbursable	----	MSFC	SAA8-2237329
1060	37311	Ursa Major Technologies	annex to Rocket Engine Development Support	9/22/2022	9/22/2024	Reimbursable	----	MSFC	SAA8-1931298.4
1061	37285	BLADE DYNAMICS LLLP	Blade Dynamics LLLP SAA	3/30/2023	9/30/2025	Reimbursable	----	MSFC	SAA8-2237285
1062	37199	Albertville High School	ALBERTVILLE HIGH SCHOOL / HIGH SCHOOLS UNITED WITH NASA TO CREATE HARDWARE (HUNCH) PROGRAM	8/17/2022	8/17/2027	Non-Reimbursable	\$77,626	MSFC	SAA8-2237199
1063	37160	Lockheed Martin Corporation	Lockheed Martin Corporation Space Systems	1/1/2023	12/31/2027	Reimbursable	----	MSFC	SAA8-2237160
1064	37108	BLUE ORIGIN, LLC	Annex 23 to Engineering Analysis and Testing	9/22/2022	2/7/2025	Reimbursable	----	MSFC	SAA-EA-20-29343.23



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1065	37085	Blue Origin Florida, LLC	Annex 3 to Production Implementation	8/1/2023	8/1/2025	Reimbursable	-----	MSFC	SAA8-2032094.3
1066	37044	Agile Space Industries	Engineering Support and Component Development	9/13/2022	9/13/2025	Reimbursable	-----	MSFC	SAA8-2237043.1
1067	37043	Agile Space Industries	Development of Space Propulsion Systems	9/13/2022	9/13/2027	Reimbursable	-----	MSFC	SAA8-2237043
1068	36979	Aerojet Rocketdyne	Critical Skills Development in Solid Propulsion with Aerojet Rocketdyne	9/12/2022	9/12/2024	Non-Reimbursable	\$157,429	MSFC	SAA8-2236864.1
1069	36962	Marshall Child Development Center, Inc.	Demand Services for the Marshall Child Development Center	7/15/2022	7/15/2027	Non-Reimbursable	\$1,424,462	MSFC	SAA8-2236962
1070	36954	MicroLink Devices, Inc	Space Environmental Effects (SEE) on Solar Array Materials	7/25/2022	7/25/2024	Reimbursable	-----	MSFC	SAA8-2236954
1071	36951	Blue Origin Florida, LLC	annex to Production Implementation	8/2/2022	8/2/2024	Reimbursable	-----	MSFC	SAA8-2032094.2

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1072	36913	SIERRA SPACE CORP	SUBSCALE SOFTGOODS CREEP TESTING	8/14/2022	8/14/2025	Reimbursable	----	MSFC	SAA8-2236912.1
1073	36912	SIERRA SPACE CORP.	EXPLORATION AND COMMERCIAL LOW EARTH ORBIT (LEO) TECHNOLOGY DEVELOPMENT AND RISK REDUCTION ACTIVITIES	8/14/2022	8/14/2027	Reimbursable	----	MSFC	SAA8-2236912
1074	36910	AEROJET ROCKETDYNE, INC	Solid Rocket Motor Design and Materials Testing	1/9/2023	9/30/2024	Reimbursable	----	MSFC	SAA8-2236863.1
1075	36871	Raytheon Technologies	Raytheon Wind Tunnel Testing	9/28/2022	9/28/2027	Reimbursable	----	MSFC	SAA8-2236871
1076	36864	Aerojet Rocketdyne	Critical Skills Development in Solid Propulsion with Aerojet Rocketdyne	9/12/2022	9/12/2024	Non-Reimbursable	\$0	MSFC	SAA8-2236864
1077	36863	AEROJET ROCKETDYNE, INC	Solid Rocket Motor Design and Materials Testing	1/9/2023	1/9/2028	Reimbursable	----	MSFC	SAA8-2236863
1078	36848	Alabama A&M University	annex to COLLABORATIVE AGREEMENT FOR SYNERGISTIC TECHNOLOGIES	4/12/2023	4/12/2027	Non-Reimbursable	\$30,922	MSFC	SAA8-2236843.2

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1079	36844	Alabama A&M University	Tensile Test	9/12/2022	9/12/2024	Non-Reimbursable	\$59,057	MSFC	SAA8-2236843.1
1080	36843	Alabama A&M University	COLLABORATIVE AGREEMENT FOR SYNERGISTIC TECHNOLOGIES	9/12/2022	9/12/2027	Non-Reimbursable	\$0	MSFC	SAA8-2236843
1081	36787	EMBRY-RIDDLE AERONAUTICAL UNIVERSITY	Fireball Network Station at ERAU	7/6/2022	7/6/2027	Non-Reimbursable	\$1,540	MSFC	SAA8-2236787
1082	36786	THE UNIVERSITY OF CENTRAL FLORIDA BOARD OF TRUSTEES	Fireball Network Station at UCF	7/21/2022	7/21/2027	Non-Reimbursable	\$2,571	MSFC	SAA8-2236786
1083	36713	LOCKHEED MARTIN	Qual Level Mobility Hardware Testing in V20 at MSFC	12/16/2022	12/16/2024	Reimbursable	-----	MSFC	SAA8-2134592.3
1084	36708	BLUE ORIGIN, LLC	annex 13 to Engineering Analysis and Testing - Engine Materials and Processes Support	8/30/2022	2/8/2025	Reimbursable	-----	MSFC	SAA-EA-20-29343.13
1085	36701	BLUE ORIGIN, LLC	Blue Origin Hot Gas Testing of Materials @ Hot Gas Test Facility	9/29/2022	9/29/2024	Reimbursable	-----	MSFC	SAA8-2236701.12

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ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
1086	36700	BLUE ORIGIN, LLC	Blue Origin BE-7 10K LOX TPA	6/30/2022	6/30/2024	Reimbursable	----	MSFC	SAA8-202934.11
1087	36699	BLUE ORIGIN, LLC	Blue Origin BE-7 10K LH2 TPA	6/30/2022	6/30/2024	Reimbursable	----	MSFC	SAA8-2236699.10
1088	36698	BLUE ORIGIN, LLC	Blue Origin TCA v3.0	6/30/2022	2/8/2025	Reimbursable	----	MSFC	SAA8-2236698.9
1089	36614	BLUE ORIGIN, LLC	annex to Engineering Analysis and Testing	6/13/2022	6/13/2024	Reimbursable	----	MSFC	SAA8-2236614.8
1090	36606	BLUE ORIGIN, LLC	annex to Engineering Analysis and Testing	5/19/2022	12/31/2024	Reimbursable	----	MSFC	SAA8-2236606.7
1091	36602	RUAG Space USA, Inc	RUAG ISA QM2 Strain Gages Instrumentation	9/14/2022	1/24/2025	Reimbursable	----	MSFC	SAA8-1829459.5
1092	36322	The Academies at Jonesboro High School	THE ACADEMIES AT JONESBORO HIGH SCHOOL TO PRODUCE HARDWARE OR OTHER USEFUL PRODUCTS UNDER THE HIGH SCHOOLS UNITED WITH NASA TO CREATE HARDWARE (HUNCH) PROGRAM	3/29/2022	3/29/2027	Non-Reimbursable	\$80,282	MSFC	SAA8-2236322

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ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
1093	36321	Priceville High School	PRICEVILLE HIGH SCHOOL TO PRODUCE HARDWARE OR OTHER USEFUL PRODUCTS UNDER THE HIGH SCHOOLS UNITED WITH NASA TO CREATE HARDWARE (HUNCH) PROGRAM	4/12/2022	4/12/2027	Non-Reimbursable	\$80,282	MSFC	SAA8-2236321
1094	36317	Charles Henderson High School	Charles Henderson High School Troy, Alabama / High Schools United with NASA to Create Hardware (HUNCH) Program	11/1/2022	11/1/2027	Non-Reimbursable	\$80,282	MSFC	SAA8-2236317
1095	36310	Dodge County High School	Dodge County School - Georgia / High Schools United with NASA to Create Hardware (HUNCH) Program	3/22/2022	3/22/2027	Non-Reimbursable	\$80,282	MSFC	SAA8-2236310
1096	36307	Walker County School District by and through the Walker County Board of Education	Fireball Network Station at WCSD	4/15/2022	4/15/2027	Non-Reimbursable	\$1,429	MSFC	SAA8-2236307
1097	36134	Lockheed Martin Space	Lockheed Martin Test @ HGF	6/10/2022	6/10/2024	Reimbursable	-----	MSFC	SAA8-2032638.2
1098	36107	The University of Texas at El Paso	Annex 1	1/20/2023	1/20/2025	Reimbursable	-----	MSFC	SAA8-2336106.1
1099	36106	The University of Texas at El Paso	UTEP-NASA OSAM Collaboration	1/20/2023	1/20/2028	Reimbursable	-----	MSFC	SAA8-2336106

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1100	35923	Astra Space Operations, Inc.	Launch Vehicle Technology Development	1/14/2022	1/13/2027	Reimbursable	-----	MSFC	SAA8-2135923
1101	35880	Google LLC	annex to THE DISCOVERY, ACCESS AND USE OF LARGE SCIENCE DATASETS	7/1/2022	7/1/2024	Non-Reimbursable	\$807,352	MSFC	SAA8-1930011.2
1102	35704	ROCKET LAB USA, INC.	Design Development and Integration Consultation	3/16/2022	3/16/2025	Reimbursable	-----	MSFC	SAA8-2135703.1
1103	35703	Rocket Lab USA, Inc.	Exchange of Technical Expertise for Commercial Space Transportation	3/16/2022	3/16/2027	Reimbursable	-----	MSFC	SAA8-2135703
1104	35668	Onyx Aerospace	Multi-purpose Service Module Study	1/12/2022	1/11/2027	Reimbursable	-----	MSFC	SAA8-2135668
1105	35544	BLUE ORIGIN, LLC	Engines Development	4/21/2022	4/21/2027	Reimbursable	-----	MSFC	SAA8-2235543.1
1106	35543	BLUE ORIGIN, LLC	Exchange of Technical Expertise for commercial space transportation	4/21/2022	4/21/2027	Reimbursable	-----	MSFC	SAA8-2235543

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1107	35509	Arizona Board of Regents, on Behalf of University of Arizona	Fireball Network Station at MMT0	2/24/2022	2/24/2027	Non-Reimbursable	\$2,125	MSFC	SAA8-2135509
1108	35508	Arizona Board of Regents on behalf of The University of Arizona	Fireball Network Station at MLO	2/7/2022	2/7/2027	Non-Reimbursable	\$1,485	MSFC	SAA8-2135508
1109	35435	OCHSNER CLINIC FOUNDATION	Ochsner Clinic Foundation	11/1/2021	10/31/2026	Reimbursable	-----	MSFC	SAA8-2135435
1110	35161	UNIVERSITY OF ALABAMA	COLLABORATIVE AGREEMENT FOR APPLIED EARTH SCIENCE	8/17/2022	8/17/2024	Non-Reimbursable	\$60,005	MSFC	SAA8-2235160.1
1111	35160	UNIVERSITY OF ALABAMA	Earth Science and Space Exploration Technology Development	8/17/2022	8/17/2027	Non-Reimbursable	\$0	MSFC	SAA8-2235160
1112	35129	NVIDIA Corporation	THE DISCOVERY, ACCESS AND USE OF LARGE SCIENCE DATASETS	2/8/2022	2/8/2027	Non-Reimbursable	\$0	MSFC	SAA8-2135129
1113	35062	Pivotal Space, Inc.	SSTO Thrust Augmented Nozzle Investigation	4/27/2022	4/27/2027	Reimbursable	-----	MSFC	SAA8-2235062

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ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
1114	34821	NEW MEXICO STATE UNIVERSITY	Fireball Network Station at New Mexico State University	8/11/2021	8/11/2026	Non-Reimbursable	\$1,447	MSFC	SAA8-2134821
1115	34742	Amazon Web Services, Inc.	annex to THE DISCOVERY, ACCESS AND USE OF LARGE SCIENCE DATASETS	1/4/2022	1/6/2025	Non-Reimbursable	\$807,352	MSFC	SAA8-1929988.3
1116	34695	Vivace Corporation	Vivace Corporation Demand Services	7/1/2021	6/30/2026	Reimbursable	-----	MSFC	SAA8-2134695
1117	34614	Lusher Charter High School	Lusher Charter High School / High Schools United with NASA to Create Hardware (HUNCH) Program	9/14/2021	9/13/2026	Non-Reimbursable	\$77,585	MSFC	SAA8-2134614
1118	34613	East Central High School - Mississippi	East Central High School - Mississippi / High Schools United with NASA to Create Hardware (HUNCH) Program	9/8/2021	9/8/2026	Non-Reimbursable	\$77,585	MSFC	SAA8-2134613
1119	34607	HUNTSVILLE CITY SCHOOLS	annex TO PRODUCE HARDWARE OR OTHER USEFUL PRODUCTS UNDER THE HUNCH (HIGH SCHOOLS UNITED WITH NASA TO CREATE HARDWARE) PROGRAM	6/16/2021	6/16/2026	Non-Reimbursable	\$77,585	MSFC	SAA8-2031925.3
1120	34592	LOCKHEED MARTIN	Exchange of Technical Expertise in Support of Deep Space Exploration	8/5/2021	8/5/2026	Reimbursable	-----	MSFC	SAA8-2134592



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1121	34566	ABL Space Systems Company	ANNEX BETWEEN THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION GEORGE C. MARSHALL SPACE FLIGHT CENTER AND ABL SPACE SYSTEMS COMPANY FOR PROPULSION DEVELOPMENT	8/23/2021	8/23/2025	Reimbursable	----	MSFC	SAA8-2134565.1
1122	34565	ABL Space Systems Company	REIMBURSABLE SPACE ACT UMBRELLA AGREEMENT BETWEEN THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION GEORGE C. MARSHALL SPACE FLIGHT CENTER AND ABL SPACE SYSTEMS COMPANY FOR PROPULSION DEVELOPMENT	8/23/2021	8/23/2026	Reimbursable	----	MSFC	SAA8-2134565
1123	34560	LOCKHEED MARTIN	Exchange of Technical Expertise for commercial space transportation	7/14/2021	7/14/2026	Reimbursable	----	MSFC	SAA8-2134560
1124	34251	Innovative Rocket Technologies Inc.	IROCKET Propulsion Technology	6/7/2021	6/7/2026	Reimbursable	----	MSFC	SAA8-2134251
1125	34231	Beau Chene High School	Beau Chene High School - Louisiana / High Schools United with NASA to Create Hardware (HUNCH) Program	3/10/2021	3/10/2026	Non-Reimbursable	\$77,585	MSFC	SAA8-2134231
1126	34161	Amazon Web Services, Inc.	annex to THE DISCOVERY, ACCESS AND USE OF LARGE SCIENCE DATASETS	1/4/2022	1/6/2025	Non-Reimbursable	\$688,028	MSFC	SAA8-1929988.2
1127	34143	Iowa State University	Microwave Nondestructive Evaluation (NDE) Studies	9/28/2021	9/28/2026	Non-Reimbursable	\$0	MSFC	SAA8-2134143

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1128	34034	Career Academies of Decatur	Career Academies of Decatur for HUNCH Program	2/2/2021	2/2/2026	Non-Reimbursable	\$77,585	MSFC	SAA8-2134034
1129	34032	Hewitt-Trussville High School	Hewitt-Trussville High School / High Schools United with NASA to Create Hardware (HUNCH) Program	4/29/2021	4/29/2026	Non-Reimbursable	\$77,585	MSFC	SAA8-2134032
1130	33949	Brewer High School	Brewer High School for High Schools United with NASA to Create Hardware (HUNCH) Program	4/29/2021	4/29/2026	Non-Reimbursable	\$77,585	MSFC	SAA8-2133949
1131	33900	General Atomics	DRACO High Temperature Component Testing	9/28/2021	9/28/2026	Reimbursable	----	MSFC	SAA8-2133900
1132	33720	BK MANUFACTURING, INC	BK Manufacturing, Inc.	12/9/2020	12/9/2025	Reimbursable	----	MSFC	SAA8-2133720
1133	33696	Howe Industries LLC	Nuclear Thermal Propulsion System Development	12/14/2020	12/14/2025	Reimbursable	----	MSFC	SAA8-2033696
1134	33671	Dade County Middle School	Dade County Middle School for High Schools United with NASA to Create Hardware (HUNCH) Program	1/6/2021	1/6/2026	Non-Reimbursable	\$77,585	MSFC	SAA8-2033671

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1135	33670	Dade County High School	Dade County High School for High Schools United with NASA to Create Hardware (HUNCH) Program	1/6/2021	1/6/2026	Non-Reimbursable	\$67,643	MSFC	SAA8-2033670
1136	33668	Maxwell High School of Technology	Maxwell High School of Technology for High Schools United with NASA to Create Hardware (HUNCH) Program	12/14/2020	12/14/2025	Non-Reimbursable	\$67,643	MSFC	SAA8-2033668
1137	33667	Franklin County High School	FRANKLIN COUNTY HIGH SCHOOL FOR HIGH SCHOOLS UNITED WITH NASA TO CREATE HARDWARE (HUNCH) PROGRAM	11/5/2020	11/5/2025	Non-Reimbursable	\$77,585	MSFC	SAA8-2033667
1138	33666	McDonald County High School	MCDONALD COUNTY HIGH SCHOOL FOR HIGH SCHOOLS UNITED WITH NASA TO CREATE HARDWARE (HUNCH) PROGRAM	12/1/2020	12/1/2025	Non-Reimbursable	\$77,585	MSFC	SAA8-2033666
1139	33662	Meade County High School	MEADE COUNTY HIGH SCHOOL FOR HIGH SCHOOLS UNITED WITH NASA TO CREATE HARDWARE (HUNCH) PROGRAM	11/5/2020	11/5/2025	Non-Reimbursable	\$77,585	MSFC	SAA8-2033662
1140	33654	Mt. Pleasant High School	Mt. Pleasant High School - Tennessee / High Schools United with NASA to Create Hardware (HUNCH) Program.	12/7/2020	12/7/2025	Non-Reimbursable	\$77,585	MSFC	SAA8-2033654
1141	33653	Dekalb County Technology Center	Dekalb County Technology Center for High Schools United with NASA to Create Hardware (HUNCH) Program	11/19/2020	11/19/2025	Non-Reimbursable	\$77,585	MSFC	SAA8-2033653

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1142	33652	Marshall County Technical School	Marshall County Technical School for High Schools United with NASA to Create Hardware (HUNCH) Program	11/30/2020	11/30/2025	Non-Reimbursable	\$77,585	MSFC	SAA8-2033652
1143	33651	Laurel High School	Laurel High School for High Schools United with NASA to Create Hardware (HUNCH) Program	12/15/2020	12/15/2025	Non-Reimbursable	\$77,585	MSFC	SAA8-2033651
1144	33647	Earnest Pruet Center of Technology	Earnest Pruet Center of Technology/High Schools United with NASA to Create Hardware (HUNCH) Program	3/24/2021	3/24/2026	Non-Reimbursable	\$77,585	MSFC	SAA8-2033647
1145	33646	McGavock High School	McGavock High School - Tennessee / High Schools United with NASA to Create Hardware (HUNCH) Program	3/17/2021	3/17/2026	Non-Reimbursable	\$77,585	MSFC	SAA8-2033646
1146	33645	LINCOLN COUNTY HIGH SCHOOL	Lincoln County High School - Tennessee / High Schools United with NASA to Create Hardware (HUNCH) Program	11/13/2020	11/13/2025	Non-Reimbursable	\$77,585	MSFC	SAA8-2033645
1147	33627	HUNTSVILLE CITY SCHOOLS	Huntsville City School for High Schools United with NASA to Create Hardware (HUNCH) Program - Jemison Annex	6/16/2021	6/16/2026	Non-Reimbursable	\$77,585	MSFC	SAA8-2031925.1
1148	33577	Tellus Science Museum	Fireball Network Station at Tellus Science Museum	12/7/2020	12/7/2025	Non-Reimbursable	\$1,674	MSFC	SAA8-2033577

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1149	33490	Venus Aerospace Corporation	Support design, development and testing of novel cryogenic engine concepts	3/1/2021	3/1/2026	Reimbursable	----	MSFC	SAA8-2033490
1150	33447	AST&Science, LLC	Spacecraft Component Testing	11/3/2020	11/3/2025	Reimbursable	----	MSFC	SAA8-2033447
1151	33444	G-Space, Inc.	THERMOPHYSICAL PROPERTIES MEASUREMENTS USING ELECTROSTATIC LEVITATION	11/20/2020	11/20/2025	Reimbursable	----	MSFC	SAA8-2033444
1152	33295	Microsoft Corporation	THE DISCOVERY, ACCESS AND USE OF LARGE SCIENCE DATASETS	8/11/2021	8/11/2026	Non-Reimbursable	\$685,153	MSFC	SAA8-2133294.1
1153	33294	Microsoft Corporation	THE DISCOVERY, ACCESS AND USE OF LARGE SCIENCE DATASETS	8/11/2021	8/11/2026	Non-Reimbursable	\$0	MSFC	SAA8-2133294
1154	33098	International Business Machines Corporation	THE DISCOVERY, ACCESS AND USE OF LARGE SCIENCE DATASETS	11/2/2022	11/2/2024	Non-Reimbursable	\$803,315	MSFC	SAA8-2233097.1
1155	33097	International Business Machines IBM Corporation, through its Thomas J. T.J. Watson Research Center	the Discovery, Access and Use of Large Science Datasets	11/2/2022	11/2/2027	Non-Reimbursable	\$0	MSFC	SAA8-2233097

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1156	33020	RELATIVITY SPACE, INC.	Rocket Engine Development and Test	10/14/2020	10/14/2025	Reimbursable	-----	MSFC	SAA8-2033020
1157	32804	UNIVERSITY OF ALABAMA	Space Exploration Technology Development	2/1/2021	2/1/2026	Non-Reimbursable	\$0	MSFC	SAA8-2132804
1158	32788	X-Bow Launch Systems Inc.	COLLABORATION ON ENGINEERING TECHNOLOGIES FOR EARTH, LUNAR AND SPACE APPLICATIONS	1/19/2021	1/19/2026	Non-Reimbursable	\$0	MSFC	SAA8-2032788
1159	32718	Methuselah Foundation	The Centennial Challenges Lunar Nutrition Challenge	8/28/2020	9/30/2024	Non-Reimbursable	\$1,314,936	MSFC	SAA8-2032718
1160	32638	Lockheed Martin Space	Exchange of Technical Expertise for commercial space transportation	6/24/2020	6/24/2025	Reimbursable	-----	MSFC	SAA8-2032638
1161	32551	ARCTIC SLOPE TECHNICAL SERVICES, INC.	Artificial intelligence computer software for space flight systems	9/28/2020	9/28/2025	Non-Reimbursable	\$0	MSFC	SAA8-2032551
1162	32353	Cullman Area Technology Academy	TO PRODUCE HARDWARE OR OTHER USEFUL PRODUCTS UNDER THE HIGH SCHOOLS UNITED WITH NASA TO CREATE HARDWARE (HUNCH) PROGRAM	9/23/2020	9/23/2025	Non-Reimbursable	\$72,338	MSFC	SAA8-2032353

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1163	32094	Blue Origin Florida, LLC	Production Implementation	6/11/2020	6/11/2025	Reimbursable	-----	MSFC	SAA8-2032094
1164	32069	KT Engineering Corporation	Annex to FASTRAC Powerpack Testing and Aerospike Nozzle Analysis in Support of USAF ARISE Program	3/24/2020	2/5/2025	Reimbursable	-----	MSFC	SAA8-2031673.2
1165	31926	HUNTSVILLE CITY SCHOOLS	Huntsville City School for High Schools United with NASA to Create Hardware (HUNCH) Program - Grissom Annex	6/16/2021	6/16/2026	Non-Reimbursable	\$77,585	MSFC	SAA8-2031925.2
1166	31925	HUNTSVILLE CITY SCHOOLS	TO PRODUCE HARDWARE OR OTHER USEFUL PRODUCTS UNDER THE HUNCH (HIGH SCHOOLS UNITED WITH NASA TO CREATE HARDWARE) PROGRAM	6/16/2021	6/16/2026	Non-Reimbursable	\$0	MSFC	SAA8-2031925
1167	31673	KT Engineering Corporation	FASTRAC Powerpack Testing and Aerospike Nozzle Analysis in Support of USAF ARISE Program	2/5/2020	2/5/2025	Reimbursable	-----	MSFC	SAA8-2031673
1168	31653	University of Louisiana at Lafayette	SAA8-2031653 Thermophysical Properties Testing in the Electrostatic Levitation Laboratory	10/19/2020	10/19/2025	Reimbursable	-----	MSFC	SAA8-2031653
1169	31648	BLUE ORIGIN, LLC	Extreme Environment Testing and Evaluation of Material Properties	12/11/2019	12/11/2024	Reimbursable	-----	MSFC	SAA8-1931648

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1170	31571	INTUITIVE MACHINES, LLC	Development of Lunar Lander Systems Technologies	3/19/2020	3/19/2025	Reimbursable	----	MSFC	SAA8-2031571
1171	31535	ATK Launch Systems Inc.	Exchange of Technical Expertise for commercial space transportation	12/9/2019	12/9/2024	Reimbursable	----	MSFC	SAA8-1931535
1172	31298	Ursa Major Technologies	Rocket Engine Development Support	10/30/2019	10/30/2024	Reimbursable	----	MSFC	SAA8-1931298
1173	31130	SPACE SYSTEMS LORAL, LLC	Room-Temperature-Vulcanized (RTV) Adhesive Coating Material Test	10/21/2019	10/21/2024	Reimbursable	----	MSFC	SAA8-1931129.1
1174	31129	SPACE SYSTEMS LORAL, LLC	Space Environmental Effects Testing and Characterization of Material, Power, and Communication Systems	10/21/2019	10/21/2024	Reimbursable	----	MSFC	SAA8-1931129
1175	31098	U.S SPACE AND ROCKET CENTER	USSRC OPERATE AS MARSHALL SPACE FLIGHT CENTER OFFICIAL VISITOR CENTER	1/26/2021	1/26/2026	Non-Reimbursable	\$117,037	MSFC	SAA8-2031097.1
1176	31097	U.S SPACE AND ROCKET CENTER	U.S. Space and Rocket Center Space Act Umbrella Agreement	1/26/2021	1/26/2026	Non-Reimbursable	\$0	MSFC	SAA8-2031097



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1177	30996	PaR Systems LLC	PaR Systems LLC	1/1/2020	12/31/2024	Reimbursable	----	MSFC	SAA8-1930996
1178	30898	RHA Materials, LLC	Non-contact measurements of thermophysical properties of materials	11/30/2020	11/30/2025	Reimbursable	----	MSFC	SAA8-1930898
1179	30516	ASTROBOTIC TECHNOLOGY, INC	Engineering Analysis and development for Commercial Lunar Lander and Payload Services	1/27/2020	1/27/2025	Reimbursable	----	MSFC	SAA8-1930516
1180	30233	BLUE ORIGIN, LLC	Blue Origin On Demand Services	7/9/2019	7/9/2024	Reimbursable	----	MSFC	SAA8-1830232.1
1181	30232	BLUE ORIGIN, LLC	DEMAND SERVICES AND GENERAL SUPPORT TO TEST STAND 4670	7/9/2019	7/9/2024	Reimbursable	----	MSFC	SAA8-1830232
1182	30143	Cellco Partnership d/b/a Verizon Wireless	FOR OPERATION OF TELECOMMUNICATIONS EQUIPMENT IN BUILDING 4476	11/26/2019	11/26/2024	Reimbursable	----	MSFC	SAA8-1930143
1183	30136	Interstellar Technologies Corporation	Propulsion Engineering Analysis, Consultation, Feasibility Studies and Space Vehicle Development Activities	9/18/2019	9/18/2024	Reimbursable	----	MSFC	SAA8-1930136

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1184	30011	Google LLC	THE DISCOVERY, ACCESS AND USE OF LARGE SCIENCE DATASETS	10/21/2019	10/21/2024	Non-Reimbursable	\$0	MSFC	SAA8-1930011
1185	29999	RUAG Space USA, Inc	RUAG Centaur V Structural Tests	9/10/2019	1/24/2025	Reimbursable	----	MSFC	SAA8-1829459.2
1186	29988	Amazon Web Services, Inc.	THE DISCOVERY, ACCESS AND USE OF LARGE SCIENCE DATASETS	1/6/2020	1/6/2025	Non-Reimbursable	\$0	MSFC	SAA8-1929988
1187	29985	Massachusetts Institute of Technology	SPACE EXPLORATION TECHNOLOGY DEVELOPMENT IN MOTION MAGNIFICATION TECHNIQUES	5/28/2019	5/27/2024	Non-Reimbursable	\$67,372	MSFC	SAA8-1929985
1188	29459	RUAG Space USA, Inc	Ruag Engineering Services	1/24/2019	1/24/2025	Reimbursable	----	MSFC	SAA8-1829459
1189	28434	Spirit Aero Systems	Collaboration in Aeronautical Vehicle Manufacturing	4/25/2019	4/25/2024	Reimbursable	----	MSFC	SAA8-1828434
1190	27540	SIERRA NEVADA CORPORATION	Rocket Engine Development and Test	6/11/2020	6/11/2025	Reimbursable	----	MSFC	SAA8-2027540

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1191	26580	United Launch Alliance	Launch Vehicle Manufacturing and Test Support	10/31/2017	10/30/2024	Reimbursable	-----	MSFC	SAA8-1726580
1192	4165	Department of Economic Development	Cooperative Endeavor Agreement University of New Orleans Research & Technology Foundation, Inc.	12/18/2007	12/18/2037	Non-Reimbursable	-----	MSFC	SAA8-074165
1193	39302	Evolution Space, Inc.	Annex One Test Support and Logistics Operations	10/4/2023	10/4/2025	Reimbursable	-----	SSC	SSAA-1053-0214
1194	39301	Evolution Space, Inc.	Rocket Propulsion Testing and Support	10/4/2023	10/4/2028	Reimbursable	-----	SSC	SSAA-1053-0213
1195	39142	Blue Origin, LLC	Annex Two to Reimbursable Umbrella Agreement between the National Aeronautics and Space Administration John C. Stennis Space Center and Blue Origin, LLC for Rocket Propulsion Testing and Support	6/28/2023	6/28/2026	Reimbursable	-----	SSC	SSAA-1053-0210
1196	38970	ABL Space Systems Company	Annex Two Between the National Aeronautics and Space Administration John C. Stennis Space Center and ABL Systems Company Under Space Act Umbrella No. 34565, dated 08/23/2021	5/31/2023	5/31/2024	Reimbursable	-----	SSC	SSAA-1053-0209
1197	38824	Blue Origin, LLC	Annex One Between National Aeronautics and Space Administration John C. Stennis Space Center and Blue Origin, LLC Under Space Act Umbrella Agreement SSAA-1053-0207	6/28/2023	6/28/2025	Reimbursable	-----	SSC	SSAA-1053-0208

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1198	38823	Blue Origin, LLC	Reimbursable Umbrella Agreement between the National Aeronautics and Space Administration John C. Stennis Space Center and Blue Origin, LLC for Rocket Propulsion Testing and Support	6/28/2023	6/28/2028	Reimbursable	----	SSC	SSAA-1053-0207
1199	38282	THE BOARD OF TRUSTEES OF MISSISSIPPI INSTITUTIONS OF HIGHER LEARNING	Reimbursable Space Act Agreement Between National Aeronautics and Space Administration John C. Stennis Space Center and The Board of Trustees of Mississippi, Institutions of Higher Learning for the Center of Higher Learning and Related University Activities	11/29/2023	11/29/2028	Reimbursable	----	SSC	SSAA-1051-0092
1200	36997	Rocket Crafters, Inc.	For Propulsion Engineering and Testing Support	7/12/2022	7/12/2027	Reimbursable	----	SSC	SSAA-1053-0198
1201	36269	Rolls-Royce, Corp	Annex Four to Provide Propulsion Test Engineering Assessments	3/4/2022	1/31/2025	Reimbursable	----	SSC	SSAA-1053-0195
1202	36006	Innovative Imaging and Research Corp.	Reimbursable Space Act Agreement for Unmanned Aircraft Systems	2/9/2022	2/9/2027	Reimbursable	----	SSC	SSAA-1053-0194
1203	35872	Relativity Space, Inc.	Annex Four to Reimbursable Space Act Umbrella Agreement Relativity Space Incorporated Aeon 1 Launch Systems Development	12/16/2021	7/1/2025	Reimbursable	----	SSC	SSAA-1053-0193
1204	35763	Relativity Space, Inc.	Annex Three to Reimbursable Space Act Umbrella Agreement Relativity Space Incorporated Aeon 1 Launch Systems Development	12/2/2021	10/6/2024	Reimbursable	----	SSC	SSAA-1053-0192

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1205	34292	Louisiana Technology Transfer Office	Louisiana Transfer Technology Office for Occupancy of SSC Facilities	5/2/2021	5/2/2026	Reimbursable	-----	SSC	SSAA-1051-0089
1206	34280	Aerojet Rocketdyne, Inc.	Reimbursable Space Act Agreement between The National Aeronautics and Space Administration John C. Stennis Space Center and Aerojet Rocketdyne of DE, Inc. for Occupancy of Facilities	9/29/2021	9/29/2026	Reimbursable	-----	SSC	SSAA-1053-0182
1207	32234	Infinity Science Center, Inc.	Annex Three to Non-Reimbursable Space Act Umbrella Agreement Infinity Science Center, Inc. for Framework on a Regional Partnership	7/7/2020	7/7/2025	Non-Reimbursable	\$37,450	SSC	SSAA-1053-0173
1208	32233	Infinity Science Center, Inc.	Annex Two to Non-Reimbursable Space Act Umbrella Agreement Infinity Science Center, Inc. for Framework on a Regional Partnership	7/7/2020	7/7/2025	Non-Reimbursable	\$595,711	SSC	SSAA-1053-0172
1209	32181	Infinity Science Center, Inc.	Annex One to Nonreimbursable Space Act Umbrella Agreement Between Infinity Science Center for Framework on a Regional Partnership	7/7/2020	7/7/2025	Non-Reimbursable	\$394,746	SSC	SSAA-1053-0171
1210	32180	Infinity Science Center, Inc.	Non-Reimbursable Space Act Umbrella Agreement Infinity Science Center, Inc. for Framework on a Regional Partnership	7/7/2020	7/7/2025	Non-Reimbursable	\$0	SSC	SSAA-1053-0170
1211	32137	Launcher Space	Annex One Propulsion Test Support to Launcher Space	3/31/2020	3/31/2025	Reimbursable	-----	SSC	SSAA-1053-0175

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1212	32136	Launcher Space	Propulsion Test Support to Launcher Space	3/31/2020	3/31/2025	Reimbursable	----	SSC	SSAA-1053-0174
1213	31398	Rocket Lab, USA	Rocket Lab Annex One	12/14/2022	12/13/2027	Reimbursable	----	SSC	SSAA-1053-0202
1214	31397	Rocket Lab, USA	Umbrella for Rocket Lab Propulsion Testing and Related Services	12/13/2022	12/13/2027	Reimbursable	----	SSC	SSAA-1053-0203
1215	31147	MISSISSIPPI STATE UNIVERSITY	Umbrella Agreement for Restricted Airspace at John C. Stennis Space Center	1/14/2020	1/14/2025	Reimbursable	----	SSC	SSAA-1051-0081
1216	30052	Interstellar Technologies, LLC	Propulsion Engineering and Testing Support	5/6/2019	5/6/2024	Reimbursable	----	SSC	SSAA-1053-0162
1217	29966	Relativity Space Incorporated	Reimbursable Space Act Agreement Relativity Space, Inc. for Occupancy of Facilities	5/28/2019	5/28/2028	Reimbursable	----	SSC	SSAA-1053-0164
1218	27516	State of Mississippi	Use of NASA facilities and services in support of the Mississippi Technology Transfer Office	4/9/2018	4/9/2025	Reimbursable	----	SSC	SSAA-1051-0077

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1219	26831	Relativity Space, Inc.	Annex Two RSI Services and support at SSC	5/25/2018	10/2/2024	Reimbursable	----	SSC	SSAA-1053-0152
1220	26415	Infinity Science Center, Inc.	Land Use Permit Between National Aeronautics and Space Administration Stennis Space Center and the Infinity Science Center, Inc.	9/10/2007	9/10/2037	Reimbursable	----	SSC	SSAA-1053-0035
1221	23376	Relativity Space, Incorporated	Reimbursable Space Act Umbrella Agreement Relativity Space Incorporated Aeon 1 Launch Systems Development	8/23/2016	7/1/2025	Reimbursable	----	SSC	SSAA-1053-0117
1222	18253	Lockheed Martin Corporation	Domestic Reimbursable Space Act Agreement (With Amendments) Between NASA SSC and Lockheed Martin Corporation for Its Division, Lockheed Martin Space Systems Company Concerning Support to the Propulsion, Thermal, and Metrology Center	1/30/2001	9/30/2027	Reimbursable	----	SSC	SSC/PRI-01-002-06
1223	4864	Mississippi State University	Reimbursable Space Act Agreement Between National Aeronautics and Space Administration John C. Stennis Space Center and Mississippi State University and Mississippi State University Research & Technology Corporation for the Northern Gulf Institute	1/22/2009	1/22/2029	Reimbursable	----	SSC	SSAA-1051-0034
1224	3110	Rolls-Royce North America, Inc.	Domestic Reimbursable Space Act Agreement Between NASA SSC and Rolls-Royce North America, Inc. for Testing at the H1 Complex by Rolls-Royce North America, Inc.	6/13/2005	6/13/2025	Reimbursable	----	SSC	SSAA-1053-0015
1225	2566	Aerojet Rocketdyne of DE, Inc.	Operation of E-6 Government-Owned Engine Test Facility in Florida	6/29/2007	6/16/2027	Non-Reimbursable	----	SSC	SSAA-1053-0033

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1226	40301	Old Dominion University	Evaluating Beyond Visual Line of Sight UAS Operations	3/27/2024	3/26/2025	Non-Reimbursable	\$19,989	WFF	GSFC-24-40301
1227	40299	OLD DOMINION RESEARCH FOUNDATION	Unmanned Aerial Systems Flight Tests	3/25/2024	3/24/2025	Reimbursable	-----	WFF	GSFC-24-40299
1228	39933	Wor-Wic Community College	Collaboration Activities	3/6/2024	3/5/2029	Non-Reimbursable	\$2,738	WFF	GSFC-24-39932
1229	39932	Wor-Wic Community College	Educational Collaboration	3/6/2024	3/5/2029	Non-Reimbursable	\$0	WFF	GSFC-24-39932
1230	39856	SALISBURY UNIVERSITY	Collaborative Activities	3/28/2024	1/31/2029	Non-Reimbursable	\$8,211	WFF	GSFC-24-39855
1231	39855	SALISBURY UNIVERSITY	Educational Collaboration	2/1/2024	1/31/2029	Non-Reimbursable	\$0	WFF	GSFC-24-39855
1232	38834	VENUS AEROSPACE CORPORATION	Annex 3 to HYPERSONIC AIRCRAFT & ROCKET PROPULSION RESEARCH, DEVELOPMENT, AND COLLABORATION	2/21/2024	11/2/2025	Reimbursable	-----	WFF	SAA-AA-22-37098



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1233	38444	VIRGINIA SPACE FLIGHT ACADEMY	Outreach Activities	5/1/2023	4/30/2028	Non-Reimbursable	\$17,500	WFF	GSFC-23-38444
1234	38369	MARINE SCIENCE CONSORTIUM	Educational Collaboration	11/3/2023	11/2/2028	Non-Reimbursable	\$10,800	WFF	GSFC-23-38369
1235	38122	Virginia Commercial Space Flight Authority	Annual Institutional Support Annex E007-800	4/3/2023	3/31/2024	Reimbursable	-----	WFF	GSFC-97-1959 E007-800
1236	38100	Virginia Commercial Space Flight Authority	Annual Institutional Support Annex E007-200	4/1/2023	3/31/2024	Reimbursable	-----	WFF	GSFC-97-1959 E007-200
1237	37981	NX Aviation	Range Support and Airfield Services	6/2/2023	6/1/2025	Reimbursable	-----	WFF	GSFC-23-37981
1238	37688	National Space Grant Foundation	STEM Education Student Launch Opportunities	12/15/2022	12/14/2027	Non-Reimbursable	\$1,420,000	WFF	GSFC-23-37688
1239	36436	Pluto Aerospace Inc.	Range Operational Support and Safety Review	4/20/2022	4/19/2027	Reimbursable	-----	WFF	GSFC-22-36436

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1240	36427	ROCKET LAB USA	GSFC-21-32608 Rocket Lab Umbrella Agreement Annex 5 - Establishing Safety Certification for NASA Autonomous Flight Termination Unit (NAFTU) integrated on Rocket Lab hardware.	8/17/2022	8/16/2024	Reimbursable	-----	WFF	GSFC-20-32608
1241	36338	Virginia Department of Health	Closed Points of Dispensing (POD) Provision of Emergency Medical Prophylaxis	7/21/2022	7/20/2027	Non-Reimbursable	\$4,500	WFF	
1242	36050	GULFSTREAM AEROSPACE CORP	Provide Water Ingestion testing support to Gulfstream.	7/27/2022	7/26/2024	Reimbursable	-----	WFF	GSFC-22-36049
1243	36049	GULFSTREAM AEROSPACE CORP	Water Ingestion Testing	7/27/2022	7/26/2027	Reimbursable	-----	WFF	GSFC-22-36049
1244	36031	Kratos Space and Missile Defense Systems, Inc.	Range Services	6/6/2022	6/5/2027	Reimbursable	-----	WFF	GSFC-22-36031
1245	35977	Police Department of Baltimore City	Incident Response	6/21/2022	6/20/2027	Non-Reimbursable	\$4,500	WFF	
1246	35717	ROCKET LAB USA	GSFC-21-32608 Rocket Lab Umbrella Agreement Annex 3- Neutron Feasibility Study	12/13/2023	12/12/2025	Reimbursable	-----	WFF	GSFC-20-32608

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1247	35700	Astra Space Operations Incorporated	Range Services	4/17/2022	4/16/2027	Reimbursable	-----	WFF	GSFC-22-35700
1248	35274	County of Accomack	Joint Emergency Planning, Response, and Management Activities at the Wallops Flight Facility	1/7/2022	1/6/2027	Non-Reimbursable	\$4,500	WFF	
1249	34693	Old Dominion University	Annex 2 for Educational Collaboration Relating to STEM Careers	10/26/2021	5/3/2026	Non-Reimbursable	\$8,211	WFF	LaRC SAA1-34376
1250	34256	Prince George's County Health Department	Closed Points of Dispensing (POD) Provision of Mass Emergency Medical Prophylaxis	2/8/2022	2/7/2027	Non-Reimbursable	\$2,000	WFF	
1251	34158	Eastern Shore Community College	Collaboration on Educational Opportunities	10/26/2021	10/25/2026	Non-Reimbursable	\$2,738	WFF	GSFC-21-34158
1252	34157	Eastern Shore Community College	Collaboration to Facilitate Joint Research, Technology Development, and Educational Initiatives	10/26/2021	10/25/2026	Non-Reimbursable	\$0	WFF	GSFC-21-34158 NRSAA Umbrella
1253	34097	JOHNS HOPKINS UNIVERSITY / APPLIED PHYSICS LAB	Use of the Wallops Geophysical Observatory (WGO) for the Collection of Scientific Data from Super Dual Auroral Radar Network (SUPERDARN)	7/19/2021	7/18/2026	Non-Reimbursable	\$25,441	WFF	GSFC-21-34097

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1254	34092	THE REGENTS OF THE UNIVERSITY OF COLORADO	Use of the Wallops Geophysical Observatory (WGO) for the Collection of Scientific Data from the Ionospheric Radar	7/2/2021	7/1/2026	Non-Reimbursable	\$25,441	WFF	GSFC-21-34092
1255	33612	Enroute Computer Systems	Wet Runway Brake Testing	8/30/2021	8/29/2024	Reimbursable	----	WFF	GSFC-21-33611
1256	33611	Enroute Computer Systems	Airfield Testing and Support	8/30/2021	8/29/2026	Reimbursable	----	WFF	GSFC-21-33611
1257	33320	ABL Space Systems	Aerospike Engine Engineering and Operational Support	11/9/2021	11/8/2026	Reimbursable	----	WFF	GSFC-21-33320
1258	33131	Salisbury University	Test Weather Station (MESONET) system for automated weather and environmental monitoring.	11/12/2020	11/11/2025	Non-Reimbursable	\$102,500	WFF	GSFC-20-33131
1259	32608	ROCKET LAB USA	Range Services	7/8/2021	7/7/2026	Reimbursable	----	WFF	GSFC-21-32608
1260	32318	Blue Ridge Research and Consulting, LLC	Improving Rocket Launch Acoustic Models and Interpreting Raw Acoustical Data	5/1/2020	4/30/2025	Non-Reimbursable	\$27,290	WFF	GSFC-20-32318

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1261	25900	Virginia Commercial Space Flight Authority	Facility Use Annex GSFC-97-1961 Annex Z-41	7/31/2017	4/21/2027	Reimbursable	----	WFF	GSFC-97-1961 Annex Z-41
1262	25541	Virginia Commercial Space Flight Authority	Operations and Activities for the Unmanned Aerial System Runway	1/9/2018	9/20/2025	Reimbursable	----	WFF	GSFC-17-25541
1263	8927	Virginia Commercial Space Flight Authority	Project Support Subagreement	4/14/2011	4/21/2027	Reimbursable	----	WFF	GSFC-11-8927
1264	3646	Marine Science Consortium	Marine Science Consortium	10/12/2007	5/11/2024	Reimbursable	----	WFF	SAA-GSFC-06-3646
1265	3219	Chincoteague Bay Field Station	Wallops Research Park	5/6/2009	5/6/2069	Reimbursable	----	WFF	3219
1266	1962	Virginia commercial Space Flight Authority	Facility Use Annex Pad 0B	4/7/2007	4/21/2027	Reimbursable	----	WFF	GSFC-97-1962
1267	1961	Virginia commercial Space Flight Authority	Facility Use Annex Pad 0A	4/7/2007	4/21/2027	Reimbursable	----	WFF	GSFC-97-1961

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1268	1959	Virginia Commercial Space Flight Authority	Facility Access Support Subagreement	7/3/2012	4/21/2027	Reimbursable	----	WFF	GSFC-97-1959
1269	1958	Virginia commercial Space Flight Authority	Support to the Development and Operation of a Commercial Spaceport at GSFC WFF (Wallops Flight Facility)	4/7/2007	4/21/2027	Reimbursable	----	WFF	GSFC-97-1958(SAA-SOMD-2043)
1270	40350	Kratos Space and Missile Defense Systems, Inc.	Hypervelocity impact testing to analyze high-speed particle impacts	3/28/2024	3/28/2029	Reimbursable	----	WSTF	SAA-RA-24-40350
1271	39848	Rocket Lab USA, Inc.	Annex to Exchange of Technical Expertise for Commercial Space Transportation	2/15/2024	3/16/2027	Reimbursable	----	WSTF	SAA8-2135703
1272	39598	Creare LLC	Oxygen Training, Analysis and Testing	11/21/2023	11/20/2028	Reimbursable	----	WSTF	SAA-RA-23-39597
1273	39597	Creare LLC	OXYGEN TESTING, ANALYSIS, COMPONENT PROCESSING AND TRAINING ACTIVITIES	11/21/2023	11/20/2028	Reimbursable	----	WSTF	SAA-RA-23-39597
1274	39576	NewSpace New Mexico	Annex for Consulting, Analysis, and Test Support	12/28/2023	12/28/2024	Reimbursable	----	WSTF	SAA.RA.23.39575

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1275	39575	NewSpace New Mexico	NewSpace Nexus and NASA Ordered services Agreement	12/28/2023	12/28/2028	Reimbursable	----	WSTF	SAA-RA-23-39575
1276	39415	Agile Space Industries	annex to TESTING, ANALYSIS, TRAINING, AND TECHNICAL EXPERTISE	1/8/2024	1/8/2028	Reimbursable	----	WSTF	SAA-RA-23-37900
1277	39303	BLUE ORIGIN, LLC	Annex to WSTF Testing, Training Analysis, and Technical Expertise (Materials, Fluids, Components) for NASA-STD-6001 Test 1, Test 4 and Test 7	10/16/2023	6/23/2027	Reimbursable	----	WSTF	SAA-RA-22-36236-02
1278	39116	NORTHROP GRUMMAN	Hypervelocity Testing in Support of Northrop Grumman Corporation Space Systems	7/27/2023	7/27/2024	Reimbursable	----	WSTF	SAA-RA-23-39116
1279	38995	The Boeing Company	Hypervelocity Testing in Support of The Boeing Company	2/28/2024	2/28/2025	Reimbursable	----	WSTF	SAA-RA-24-38995
1280	38763	THE BOEING COMPANY	Annex 4 to remove and replace valves on R40 thrusters	6/5/2023	6/4/2025	Reimbursable	----	WSTF	SAA-RA-18-28204
1281	38561	WHA INTERNATIONAL, INC	Annex to WSTF Testing, Training, Analysis, and Technical Expertise (Materials, Fluids, Components)	4/1/2023	4/1/2024	Reimbursable	----	WSTF	SAA-RA-22-36170-03

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1282	38520	Lunar Resources, Inc.	Fire Hazards in Oxygen Systems Training and Oxygen Compatibility Assessments	6/6/2023	6/5/2028	Reimbursable	-----	WSTF	SAA-RA-23-38519-01
1283	38519	Lunar Resources, Inc.	FOR TESTING, ANALYSIS ACTIVITIES, AND EXCHANGE OF TECHNICAL EXPERTISE	6/6/2023	6/5/2028	Reimbursable	-----	WSTF	SAA-RA-23-38519
1284	38274	AXIOM SPACE, LLC	annex to Testing, Training, Analysis, and Technical Expertise	3/18/2024	4/6/2027	Reimbursable	-----	WSTF	SAA-RA-22-36162-06
1285	37939	Radian Aerospace Inc.	NASA-STD-2007-213740 Oxygen Compatibility Assessments / NASA-STD-6001 Flammability, Offgassing, and Compatibility Requirements	2/15/2023	2/14/2028	Reimbursable	-----	WSTF	SAA-RA-23-34938-01
1286	37938	Radian Aerospace Inc.	WSTF Testing, Analysis, and Technical Expertise (Materials, Fluids, Components)	2/15/2023	2/14/2028	Reimbursable	-----	WSTF	SAA-RA-23-37938
1287	37913	Pacific Design Technologies	Propellant Exposure Testing and Analysis of Carbon Graphite Bearings	7/26/2023	7/26/2025	Reimbursable	-----	WSTF	SAA-RA-23-37913
1288	37912	Pacific Design Technologies	Testing, Analysis, Training, and Technical Expertise	7/26/2023	7/26/2025	Reimbursable	-----	WSTF	



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1289	37901	Agile Space Industries	WSTF Training and Technical Expertise (Materials, Fluids, Components)	2/7/2023	2/6/2028	Reimbursable	-----	WSTF	SAA-RA-23-37900-01
1290	37900	Agile Space Industries	TESTING, ANALYSIS, TRAINING, AND TECHNICAL EXPERTISE	2/7/2023	2/6/2028	Reimbursable	-----	WSTF	SAA-RA-23-37900
1291	37612	FIREFLY AEROSPACE INC.	WSTF Training and Technical Expertise (Materials, Fluids, Components)	2/7/2023	2/6/2028	Reimbursable	-----	WSTF	SAA-RA-23-37611-01
1292	37611	FIREFLY AEROSPACE INC.	Testing, Analysis, Training, and Technical Expertise	2/7/2023	2/6/2028	Reimbursable	-----	WSTF	SAA-RA-23-37611
1293	37357	LOCKHEED MARTIN	Annex to Perform Propellant Testing and Analysis	10/11/2022	8/15/2024	Reimbursable	-----	WSTF	SAA8-2134560-02
1294	36856	BLUE ORIGIN, LLC	Annex to Engineering Analysis and Testing	10/24/2022	2/8/2025	Reimbursable	-----	WSTF	SAA-EA-20-29343-19
1295	36675	Blue Origin, LLC	Loan of NASA Owned Pressure Vessels and Transfer of Blue Origin Ground Test Results	10/18/2022	10/17/2027	Non-Reimbursable	\$21,476	WSTF	SAA-RA-22-36675

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1296	36628	STELLAR EXPLORATION, INC	Testing, Analysis, Training, and Technical Expertise (Materials, Fluids, Components)	5/27/2022	5/26/2027	Reimbursable	-----	WSTF	SAA-RA-22-36627-01
1297	36627	STELLAR EXPLORATION, INC	Testing, Analysis, Training, and Technical Expertise (Materials, Fluids, Components)	5/27/2022	5/26/2027	Reimbursable	-----	WSTF	SAA-RA-22-36627
1298	36540	RAYTHEON COMPANY	Next Generation Interceptor (NGI) Hot Fire Testing	2/23/2023	8/23/2026	Reimbursable	-----	WSTF	SAA-RA-22-36540
1299	36453	Hypercomp Engineering Inc	Hypercomp Engineering Composite Overwrapped Pressure Vessel Damage Detection Training	7/11/2022	7/10/2027	Reimbursable	-----	WSTF	SAA-RA-22-36453
1300	36402	Ursa Major Technologies	Annex to Rocket Engine Development Support	9/21/2023	10/30/2024	Reimbursable	-----	WSTF	SAA8-1931298-03
1301	36372	AeroJet RocketDyne	TESTING, ANALYSIS, TRAINING AND TECHNICAL EXPERTISE (MATERIALS, FLUIDS, COMPONENTS) Support	4/4/2023	4/3/2028	Reimbursable	-----	WSTF	SAA-RA-22-36371-01
1302	36371	AEROJET ROCKETDYNE, INC	TESTING, ANALYSIS, TRAINING AND TECHNICAL EXPERTISE (MATERIALS, FLUIDS, COMPONENTS) Support	4/4/2023	4/3/2028	Reimbursable	-----	WSTF	SAA-RA-22-36371

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1303	36237	BLUE ORIGIN, LLC	Training	6/24/2022	6/23/2027	Reimbursable	----	WSTF	SAA-RA-22-36236-01
1304	36236	BLUE ORIGIN, LLC	WSTF Testing, Training Analysis, and Technical Expertise (Materials, Fluids, Components)	6/24/2022	6/23/2027	Reimbursable	----	WSTF	SAA-RA-22-36236
1305	36171	WHA INTERNATIONAL, INC	Component Testing, Goods, Services and Analysis	3/4/2022	3/4/2027	Reimbursable	----	WSTF	SAA-RA-22-36170-01
1306	36170	WHA INTERNATIONAL, INC	WSTF Testing, Training, Analysis, and Technical Expertise (Materials, Fluids, Components)	3/4/2022	3/4/2027	Reimbursable	----	WSTF	SAA-RA-21-36170
1307	36163	AXIOM SPACE, LLC	Flight / Sensitive System Specialized Training	4/6/2022	4/6/2027	Reimbursable	----	WSTF	SAA-RA-22-36162-01
1308	36162	AXIOM SPACE, LLC	Testing, Training, Analysis, and Technical Expertise	4/6/2022	4/6/2027	Reimbursable	----	WSTF	SAA-RA-22-36162
1309	35722	B/E Aerospace, d.b.a. Collins Aerospace, a unit of United Technologies Corporation	Annex to Collins Aerospace Oxygen and COPV Testing, Analysis and Training Activities	3/2/2022	3/2/2025	Reimbursable	----	WSTF	SAA-RA-20-30648-02

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1310	35607	Space Exploration Technologies Corp.	WSTF Testing, Training, Analysis, and Technical Expertise (Materials, Fluids, Components).	12/30/2021	12/30/2026	Reimbursable	-----	WSTF	SAA-RA-21-35607
1311	34796	Virgin Orbit, LLC	Composite Over-wrapped Pressure Vessel Damage Detection Visual Inspection Training	10/14/2021	10/14/2026	Reimbursable	-----	WSTF	SAA-RA-21-34796
1312	34328	ZIN TECHNOLOGIES, INC	NASA-STD-2007-213740 Oxygen Compatibility Assessments / NASA-STD-6001 Flammability, Offgassing, and Compatibility Requirements	5/6/2021	5/6/2026	Reimbursable	-----	WSTF	SAA-RA-21-34327-01
1313	34327	ZIN TECHNOLOGIES, INC	WSTF Testing, Training, Analysis, and Technical Expertise (Materials, Fluids, Components)	5/6/2021	5/6/2026	Reimbursable	-----	WSTF	SAA-RA-21-34327
1314	34318	AEROJET ROCKETDYNE, INC	Post Boost Propulsion System (PBPS) Static Hot-fire Testing	7/20/2021	7/20/2025	Reimbursable	-----	WSTF	SAA-RA-21-34318
1315	34307	ILC Dover LP	NASA-STD-2007-213740 Oxygen Compatibility Assessments / NASA-STD-6001 Flammability, Offgassing, and Compatibility Requirements	8/4/2021	8/4/2026	Reimbursable	-----	WSTF	SAA-RA-21-34306-01
1316	34306	ILC Dover LP	WSTF Testing, Training, Analysis, and Technical Expertise (Materials, Fluids, Components)	8/4/2021	8/4/2026	Reimbursable	-----	WSTF	SAA-RA-21-34306

Active Space Act Agreements (as of March 31, 2024) with U.S. Non-Federal Partners

ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
1317	32676	THE BOEING COMPANY	STP3 R40b Hot Fire Testing	4/29/2021	6/30/2025	Reimbursable	-----	WSTF	SAA-RA-20-32676
1318	31581	Infinite Composites Technologies	Annex for COPV Inspection and Evaluation	5/5/2020	5/5/2025	Reimbursable	-----	WSTF	SAA-RA-20-31363-02
1319	31364	Infinite Composites Technologies	NASA-STD-2007-213740 Oxygen Compatibility Assessments / NASA-STD-6001 Flammability, Offgassing, and Compatibility Requirements	5/5/2020	5/5/2025	Reimbursable	-----	WSTF	SAA-RA-20-31363-01
1320	31363	Infinite Composites Technologies	WSTF Testing, Training, Analysis, and Technical Expertise (Materials, Fluids, Components)	5/5/2020	5/5/2025	Reimbursable	-----	WSTF	SAA-RA-20-31363
1321	31188	Intuitive Machines, LLC	NASA Standards 6001B Testing	11/23/2020	11/23/2025	Reimbursable	-----	WSTF	SAA-RA-20-31187-01
1322	31187	Intuitive Machines, LLC	WSTF Testing, Training, Analysis, and Technical Expertise (Materials, Fluids, Components)	11/23/2020	11/23/2025	Reimbursable	-----	WSTF	SAA-RA-20-31187
1323	30649	B/E Aerospace, d.b.a. Collins Aerospace a unit of United Technologies Corporation	NASA-STD-6001 Flammability, Offgassing, Compatibility Testing and Training	3/31/2020	3/30/2025	Reimbursable	-----	WSTF	SAA-RA-20-30648

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ROW NO.	PAM ID NO.	PARTNER NAME	TITLE/PURPOSE	SIGNATURE DATE	EXPIRATION DATE	TYPE OF AGREEMENT	TOTAL EST. DOLLAR VALUE FOR FUNDED, UNFUNDED, OR NON-REIMBURSABLE AGREEMENTS	CENTER	CENTER TRACKING NUMBER (IF ANY)
1324	30648	B/E Aerospace, d.b.a. Collins Aerospace, a unit of United Technologies Corporation	Collins Aerospace Oxygen and COPV Testing, Analysis and Training Activities	3/31/2020	3/30/2025	Reimbursable	-----	WSTF	SAA-RA-20-30648
1325	28204	THE BOEING COMPANY	Perform R40b thruster testing and provide test data results.	9/13/2018	9/13/2025	Reimbursable	-----	WSTF	SAA-RA-18-28204