

AMENDMENT OF SOLICITATION / MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE(S) 1 of 2
2. AMENDMENT/MODIFICATION NO. 1	3. EFFECTIVE DATE See Blk 16c	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)	
6. ISSUED BY NASA Goddard Space Flight Center Wallops Flight Facility Wallops Island, VA 23337		7. ADMINISTERED BY (If other than item 6) Same		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Orbital Sciences Corporation Technical Services Division ATTN: Jeff Heath 7500 Greenway Center Drive Ste. 700 Greenbelt, MD 20770		()	9A. AMENDMENT OF SOLICITATION NO.	
CODE:		FACILITY CODE:	9b. DATED (SEE ITEM 11)	
			10A. MODIFICATION OF CONTRACT/ORDER NO: NNG15WA53C	
			10B. DATED (SEE ITEM 13): 02-01-2015	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended, is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or amended, by one of the following methods: (a) By completing items 8 and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

TOTAL FUNDING: \$762,806.00 Total Estimated Cost : 64,885,402.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) Far 52.232.22 LIMITATION OF FUNDS (APR 1984)


E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

- A. The total estimated contract value remains unchanged.**
- B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC**

(See Page two)

Except as provided herein, all terms and conditions of the document referenced in item 8A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		Mickey M. Merritt	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY Original signed by	16C. DATE SIGNED
(Signature of person authorized to sign)		 (Signature of Contracting Officer)	12/18/14

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990)) – obligate as follows:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$600,000.0	\$162,806.00	\$762,806.00

**2. ACCOUNTING AND APPROPRIATION DATA—is revised to provide the following,
Obligate as follows:**

<u>PR Number</u>	<u>Amount</u>	<u>Fund</u>	<u>WBS</u>	<u>Funding Basket</u>
4200534335	\$162,806.00	SPTX22015D	406979.01.05.06	LDS

3. Total obligated by this modification is \$162,806.00.

4. The period of allotment is from date this contract through February 13,, 2015.

5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 1

AMENDMENT OF SOLICITATION		MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE(S) 1 of 2
2. AMENDMENT/MODIFICATION NO. 2	3. EFFECTIVE DATE See Blk 16c	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (if applicable)		
6. ISSUED BY NASA Goddard Space Flight Center Wallops Flight Facility Wallops Island, VA 23337			7. ADMINISTERED BY (if other than Item 6) Same		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Orbital Sciences Corporation Technical Services Division ATTN: Jeff Heath 7500 Greenway Center Drive Ste. 700 Greenbelt, MD 20770			()	9A. AMENDMENT OF SOLICITATION NO.	
CODE:			X	9b. DATED (SEE ITEM 11)	
FACILITY CODE:				10A. MODIFICATION OF CONTRACT/ORDER NO: NNG15WA53C	
				10B. DATED (SEE ITEM 13): 02-01-2015	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing items 8 and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)

TOTAL FUNDING: \$3,737,712.00 Total Estimated Cost : 64,885,402.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) Far 52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

- A. The total estimated contract value remains unchanged.**
- B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC**

(See Page two)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		Mickey M. Merritt	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA Original signed by	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	1/15/2015

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990)) – obligate as follows:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$762,806.00	\$2,974,906.00	\$3,737,712.00

2. ACCOUNTING AND APPROPRIATION DATA—is revised to provide the following,
Obligate as follows:

<u>PR Number</u>	<u>Amount</u>	<u>Fund</u>	<u>WBS</u>	<u>Funding Basket</u>
4200537837	\$1,500,000.00	SCEX22015D	911542.01.12	BPO Support
4200537837	\$1,474,906.00	SPTX22015D	406979.01.05.06	LDSD Support

3. Total obligated by this modification is \$2,974,906.00.

4. The period of allotment is from date this contract through March 15, 2015.

5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 2

AMENDMENT OF SOLICITATION/ MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
PAGE(S)
1 of 2

2. AMENDMENT/MODIFICATION NO. **3**
3. EFFECTIVE DATE
See Blk 16c
4. REQUISITION/PURCHASE REQ. NO.
N/A
5. PROJECT NO. (if applicable)

6. ISSUED BY
**NASA
Goddard Space Flight Center
Wallops Flight Facility
Wallops Island, VA 23337**
7. ADMINISTERED BY (if other than Item 6)
Same

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)
**Orbital Sciences Corporation
Technical Services Division
ATTN: Jeff Heath
7500 Greenway Center Drive Ste. 700
Greenbelt, MD 20770**
9A. AMENDMENT OF SOLICITATION NO.

9b. DATED (SEE ITEM 11)
10A. MODIFICATION OF CONTRACT/ORDER NO: **NNG15WA53C**
10B. DATED (SEE ITEM 13):
02-01-2015
CODE: FACILITY CODE: X

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing Items 8 and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)

TOTAL FUNDING: \$3,737,712.00 Total Estimated Cost : 64,885,402.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

- A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
- B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
- C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
- X D. OTHER (Specify type of modification and authority)
Far 52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject mater where feasible.)

- A. The total estimated contract value remains unchanged.
- B. This modification is issued to redistribute the dollar value of Core and IDIQ from the contract award throu Mod #2 The total funding amount will remain the same.

(See Page two)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		Mickey M. Merritt	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY Original signed by	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	2/11/15

Contract NNG15WA53C
 Modification No. 3
 Page 2 of 2

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990)) – obligate as follows:

CORE:

AWARD

<u>FROM</u>	<u>BY</u>	<u>TO</u>
	\$500,000.00	\$500,000.00

MOD #2

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$500,000.00	\$1,500,000.00	\$2,000,000.00

2. Revise B.6 CPFF TASK ORDER FUNDING

IDIQ:

AWARD

<u>FROM</u>	<u>BY</u>	<u>TO</u>
	\$100,000.00	\$100,000.00

MOD #1

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$100,000.00	\$162,806.00	\$262,806.00

MOD#2

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$262,806.00	\$1,474,906.00	\$1,737,712.00

5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 3

AMENDMENT OF SOLICITATION / MODIFICATION OF CONTRACT

1. CONTRACT ID CODE PAGE(S)
1 of 2

2. AMENDMENT/MODIFICATION NO. 4 3. EFFECTIVE DATE See Blk 16c 4. REQUISITION/PURCHASE REQ. NO. N/A 5. PROJECT NO. (If applicable)

6. ISSUED BY NASA
Goddard Space Flight Center
Wallops Flight Facility
Wallops Island, VA 23337 7. ADMINISTERED BY (If other than Item 6) Same

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Orbital Sciences Corporation
Technical Services Division
ATTN: Jeff Heath
7500 Greenway Center Drive Ste. 700
Greenbelt, MD 20770 9A. AMENDMENT OF SOLICITATION NO. ()

9b. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER NO: NNG15WA53C X 10B. DATED (SEE ITEM 13): 02-01-2015 CODE: FACILITY CODE:

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing Items 8 and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

TOTAL FUNDING: \$13,737,712.00 Total Estimated Cost : 64,885,402.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

- A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
- B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
- C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
- X D. OTHER (Specify type of modification and authority)
Far 52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

- A. The total estimated contract value remains unchanged.
- B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC

(See Page two)

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print) 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Mickey M. Merritt
15B. CONTRACTOR/OFFEROR 15C. DATE SIGNED 16B. UNITED STATES OF AMERICA BY Original signed by: [Signature] 16C. DATE SIGNED 2/18/2015
(Signature of person authorized to sign) (Signature of Contracting Officer)

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990)) – obligate as follows:

CORE:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$2,000,000.00	\$10,000,000.00	\$12,000,000.00 -BPO Support

- 3. Total obligated by this modification is \$10,000,000.00.**
- 4. The period of allotment is from date this contract through May 31, 2015.**
- 5. No other changes to this contract are made by issuance of this modification.**

END MODIFICATION NO. 4

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAGE(S) 1 of 2
2. AMENDMENT/MODIFICATION NO. 5	3. EFFECTIVE DATE See Blk 16c	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)		
6. ISSUED BY NASA Goddard Space Flight Center Wallops Flight Facility Wallops Island, VA 23337		7. ADMINISTERED BY (if other than item 6) Same			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Orbital Sciences Corporation Technical Services Division ATTN: Jeff Heath 7500 Greenway Center Drive Ste. 700 Greenbelt, MD 20770		()	9A. AMENDMENT OF SOLICITATION NO.		
			9b. DATED (SEE ITEM 11)		
		X	10A. MODIFICATION OF CONTRACT/ORDER NO: NNG15WA53C		
CODE:	FACILITY CODE:		10B. DATED (SEE ITEM 13): 02-01-2015		
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
[] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.					
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. ACCOUNTING AND APPROPRIATION DATA (if required)					
TOTAL FUNDING: \$13,737,712.00 Total Estimated Cost : 64,885,402.00					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
X	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. 1.78, 52.243-2-Changes Clause-Cost Reimbursable				
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in payin office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).				
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:				
	D. OTHER (Specify type of modification and authority)				
E. IMPORTANT: Contractor [] is not, [x] is required to sign this document and return _____ copies to be issued office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)					
A. The total estimated contract value remains unchanged.					
B. The purpose of this modification is to add Clause I.118, 52.222-50 COMBATING TRAFFICKING IN PERSON (MAR 2015) and to update the B.12 NONPROPOSED COSTS FOR CORE REQUIREMENTS per amendment 4 of the original proposal. (See page 2)					
(See Page two)					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLED OF SIGNER (Type or print) Jeff Heath, DIRECTOR CONTRACTS			18A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Mickey M. Merritt		
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED 3/6/15	18B. UNITED STATES OF AMERICA By Original signed by		18C. DATE SIGNED 3/9/15
(Signature of person authorized to sign)			(Signature of Contracting Officer)		

Contract NNG15WA53C
 Modification No. 5
 Page 2 of 2

B.12 NONPROPOSED COSTS FOR CORE REQUIREMENTS

(a) The total estimated cost of this contract for Core Requirements includes the following estimated costs:

Cost Elements	Base Period of Performance		Option 1		Option 2		Total Estimated Cost
	GFY 15	GFY 16	GFY 17	GFY 18	GFY 19	GFY 20	
Balloons	\$4,036,000	\$4,949,000	\$4,711,000	\$5,588,000	\$5,857,000	\$2,571,000	\$27,712,000
Helium IsoPaks	\$1,160,000	\$1,200,000	\$1,240,000	\$1,290,000	\$1,330,000	\$0	\$6,220,000
Expendable Gases	1,431,000	\$2,021,000	\$611,000	\$2,167,000	\$2,034,000	\$616,000	\$8,880,000
Freight	\$155,000	\$382,000	\$383,000	\$409,000	\$378,000	\$223,000	\$1,930,000
Equipment	\$160,000	\$160,000	\$170,000	\$170,000	\$180,000	\$0	\$840,000
Range Expenses	\$196,000	\$1,004,000	\$2,925,000	\$1,073,000	\$992,000	\$820,000	\$7,010,000
Flight Hardware/Flight Electronics	\$906,000	\$1,161,000	\$1,135,000	\$1,242,000	\$1,246,000	\$230,000	\$5,920,000
Ground Support Equipment	\$121,000	\$257,000	\$166,000	\$274,000	\$237,000	\$115,000	\$1,170,000
Materials	\$708,000	\$858,000	\$798,000	\$918,000	\$878,000	\$70,000	\$4,230,000
Services	\$1,226,000	\$1,232,000	\$1,037,000	\$968,000	\$827,000	\$80,000	\$5,370,000
Total Non-Proposed Costs	\$10,099,000	\$13,224,000	\$13,176,000	\$14,099,000	\$13,959,000	\$4,725,000	\$69,282,000

No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 5

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
PAGE(S)
1 of 2

2. AMENDMENT/MODIFICATION NO.
6

3. EFFECTIVE DATE
See Blk 16c

4. REQUISITION/PURCHASE REQ. NO.
N/A

5. PROJECT NO. (If applicable)

6. ISSUED BY
NASA
Goddard Space Flight Center
Wallops Flight Facility
Wallops Island, VA 23337

7. ADMINISTERED BY (If other than Item 6)
Same

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)
Orbital Sciences Corporation
Technical Services Division
ATTN: Jeff Heath
7500 Greenway Center Drive Ste. 700
Greenbelt, MD 20770

9A. AMENDMENT OF SOLICITATION NO.

9b. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO: **NNG15WA53C**

10B. DATED (SEE ITEM 13):
02-01-2015

CODE: FACILITY CODE:

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing items 8 and and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

TOTAL FUNDING: \$15,307,316.00 Total Estimated Cost : 64,885,402.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

- A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
- B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in payi office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
- C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
- X** D. OTHER (Specify type of modification and authority)
Far 52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject mater where feasible.)

- A. The total estimated contract value remains unchanged.**
- B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC**

(See Page two)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print)
15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
Mickey M. Merritt
16B. UNITED STATES OF AMERICA
BY Original signed by
(Signature of Contracting Officer)

16C. DATE SIGNE
3/09/15

1. Revise B.6 CPFF TASK ORDER FUNDING

IDIQ:

<u>FROM</u>	<u>BY</u>	<u>TO</u>	
\$1,737,712.00	\$1,569,604.00	\$3,307,316.00	LDSD

- 2. Total obligated by this modification is \$1,569,604.00.**
- 3. The period of allotment is from date this contract through May 31, 2015.**
- 4. No other changes to this contract are made by issuance of this modification.**

END MODIFICATION NO. 6

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE PAGE(S)
1 of 2

2. AMENDMENT/MODIFICATION NO. 7 3. EFFECTIVE DATE See Blk 16c 4. REQUISITION/PURCHASE REQ. NO. N/A 5. PROJECT NO. (if applicable)

6. ISSUED BY NASA
Goddard Space Flight Center
Wallops Flight Facility
Wallops Island, VA 23337

7. ADMINISTERED BY (if other than Item 6)
Same

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)
Orbital Sciences Corporation
Technical Services Division
ATTN: Jeff Heath
7500 Greenway Center Drive Ste. 700
Greenbelt, MD 20770

9A. AMENDMENT OF SOLICITATION NO. ()

9b. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO: NNG15WA53C

10B. DATED (SEE ITEM 13): 02-01-2015

CODE: FACILITY CODE: X

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing Items 8 and and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)

TOTAL FUNDING: \$24,441,463.20 Total Estimated Cost : 64,885,402.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

- A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
- B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
- C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
- X D. OTHER (Specify type of modification and authority)
Far 52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject mater where feasible.)

- A. The total estimated contract value remains unchanged.
- B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC

(See Page two)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		Mickey M. Merritt	
16B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA By Original signed by	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	05/18/2015

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990)) – obligate as follows:

CORE:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$12,000,000.00	\$8,600,000.00	\$20,600,000.00 -BPO Support

2. Revise B.6 CPFF TASK ORDER FUNDING

IDIQ:

<u>FROM</u>	<u>BY</u>	<u>TO</u>	
\$3,307,316.00	\$ 56,712.00	\$3,364,028.00	LDSD
\$3,364,028.00	\$427,435.20	\$3,791,463.20	BPO IDIQ
\$3,791,463.20	\$ 50,000.00	\$3,841,463.20	Barrel

3. Total obligated by this modification is \$9,134,147.20.

4. The period of allotment is from date this contract through August 31, 2015.

5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 7

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

CONTRACT ID CODE

PAGE(S)
1 of 2

2. AMENDMENT/MODIFICATION NO. 8	3. EFFECTIVE DATE See Blk 16c	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)
------------------------------------	----------------------------------	---	--------------------------------

6. ISSUED BY NASA Goddard Space Flight Center Wallops Flight Facility Wallops Island, VA 23337	7. ADMINISTERED BY (If other than Item 6) Same
--	---

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Orbital Sciences Corporation Technical Services Division ATTN: Jeff Heath 7500 Greenway Center Drive Ste. 700 Greenbelt, MD 20770	()	9A. AMENDMENT OF SOLICITATION NO.
		9b. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO: NNG15WA53C
CODE:	FACILITY CODE:	10B. DATED (SEE ITEM 13): 02-01-2015

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing Items 8 and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)

TOTAL FUNDING: \$24,831,510.42 Total Estimated Cost : 64,885,402.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) Far 52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject mater where feasible.)

- A. The total estimated contract value remains unchanged.**
- B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC)**

(See Page two)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Mickey M. Merritt
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED
16B. UNITED STATES OF AMERICA By Original signed by (Signature of Contracting Officer)	16C. DATE SIGNED 7/09/2015

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990)) – obligate as follows:

CORE:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$20,600,000.00	\$200,534.22	\$20,800,534.22 -BPO Support

2. Revise B.6 CPFF TASK ORDER FUNDING

IDIQ:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$3,841,463.20	\$ 189,513.00	\$4,030,976.20 LDS

3. Total obligated by this modification is \$390,047.22.

4. The period of allotment is from date this contract through September 15, 2015

5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 8

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAGE(S) 1 of 2
2. AMENDMENT/MODIFICATION NO. 9	3. EFFECTIVE DATE See Blk 16c	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)		
6. ISSUED BY NASA Goddard Space Flight Center Wallops Flight Facility Wallops Island, VA 23337			7. ADMINISTERED BY (If other than Item 6) Same		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Orbital Sciences Corporation Technical Services Division ATTN: Jeff Heath 7500 Greenway Center Drive Ste. 700 Greenbelt, MD 20770			()	9A. AMENDMENT OF SOLICITATION NO.	
CODE:			FACILITY CODE:		
			X	9b. DATED (SEE ITEM 11)	
				10A. MODIFICATION OF CONTRACT/ORDER NO: NNG15WA53C	
				10B. DATED (SEE ITEM 13): 02-01-2015	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 9 and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

TOTAL FUNDING: \$ 24,831,510.47 Total Estimated Cost : 64,885,402.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

X	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. 1.78, 52.243-2-Changes Clause-Cost Reimbursable
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this mod is stated on Page 2 of this SF#30

(See Page two)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) Jeff Heath, Director of Contracts		15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED 7/22/15	15D. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Mickey M. Merritt	15E. UNITED STATES OF AMERICA BY Original signed by, (Signature of Contracting Officer)	15F. DATE SIGNED 7/22/15
--	--	---	--	-----------------------------	---	---	-----------------------------

Block 14 -- Description of Modification (Cont'd)

1. The purpose of this administrative modification is to revise **Clause G.20 FINANCIAL REPORTING OF NASA PROPERTY IN THE CUSTODY OF CONTRACTORS (1852.245-73)(JAN 2011)** as follows: Effective immediately, the reporting requirement for NF1018 submission has changed from **quarterly reporting to monthly in accordance with the Procurement Information Circular (PIC) dated June 9, 2004**. Additionally, contractors must submit both reports electronically using the existing NF 1018 Electronic Submission System (NESS) for the annual NF1018 and the NASA Contractor-Held Asset Tracking System (CHATS), for monthly reporting. If CHATS is not up and running, the report should be submitted via email to nasacontractorproperty@nasa.gov. Monthly reporting will **NOT** require contractors to provide additional data elements (Work Breakdown Structure for new acquisitions and Contract Work-in-Process, as well as Fiscal Year affected by an Adjustment). The rest of the clause remains unchanged. See Enclosure#1 for general Instructions for contractor held reporting.

2. No other revision to this contract is made by issuance of this modification.

END MODIFICATION NO. 9

ENCLOSURE 2

General Instructions for Contractor-Held Property Reporting

1. **NF 1018 Reports.** The NASA Form (NF) 1018 report provides annual summary-level property management and financial data on Government-furnished and contractor-acquired NASA property.. Contractors shall report all NASA-owned property in US dollars, regardless of location. Negative reports are required. This reporting shall be completed in accordance with the NASA FAR Supplement (NFS) Subpart 1845.7101 and any supplemental guidance provided by the Contracting Officer. NASA Form (NF) 1018 reports shall be submitted using the NF 1018 Electronic Submission System (NESS) (<http://ness.gsfc.nasa.gov>).

2. Monthly Property Financial Reports.

a. Additionally, monthly property financial reports are required with item level supporting data. This data shall be submitted for all items with an acquisition cost of \$100,000 or more, in the contractor's and its subcontractors' possession, in the following classifications: real property, equipment, special test equipment, special tooling, and agency peculiar property. Monthly reporting is not required for property in the above classifications with an acquisition cost under \$100,000. Monthly data shall also be submitted for items of any acquisition cost in the classifications of materials and contract work-in-process (WIP). Itemized monthly data is required for materials and WIP line items of \$100,000 and over. Summary monthly data is required for materials and WIP line items under \$100,000. The monthly reports shall be electronically submitted using the Contractor-Held Asset Tracking System (CHATS) (<http://nasachats.gsfc.nasa.gov>) using the format described in the CHATS user's manual.

b. Acquisition costs shall be developed using actual costs to the greatest extent possible, especially costs directly related to fabrication such as labor and materials. Supporting documentation shall be maintained and available for all amounts reported, including any amounts developed using estimating techniques.

c. All Adjustments shall be thoroughly explained and directly related to a specific fiscal year. If the fiscal year cannot be determined, the default shall be the previous fiscal year.

d. Work Breakdown Structures (WBS) shall be provided for all Contractor acquired property (CAP), WIP, and any new materials acquired. The format shall be a five digit numerical level. (i.e. 803-10). If the WBS is not identifiable, contact the NASA CFO Property Branch for further guidance, as outlined below.

e. The data required for the monthly submission is due the 21st day after the close of the month.

e.g. August 21 for the month ending July 31

September 21 for the month ending August 31

October 21 for the month ending September 30

NOTE: The monthly submittal for July does not relieve the contractor requirement to submit the quarterly report for the period ending June 30, 2004, if one is due.

3. The monthly property financial reports required by this PIC are separate from, and in addition to the annual NF 1018 reports. Due date for submittal of the annual NF 1018 is extended to November 30 for the contracts listed on Enclosure 1.

4. Both the NF 1018 report data and the September monthly report data are as of September 30. Corrections in monthly report data shall be handled as adjustments in the next monthly report after discovery of the error. (e.g. Errors in the September monthly report shall be reported as adjustments in the October monthly report. The NF 1018 shall reflect the corrected numbers and the contractor shall provide a note regarding the corrected monthly report error under Comments in the NF 1018.) Errors in the NF1018 found after the November 30 submission shall be reported as adjustments in the 2005 NF 1018, unless immediate correction and resubmission are directed by NASA.

Questions may be directed to the following individuals of the NASA CFO Property Branch Office:

Lynne Carey, (202) 358-4552, e-mail: lynne.carey@nasa.gov

Elaine Slaugh, (202) 358-2599, e-mail: elaine.m.slaugh@nasa.gov

Transfer/Shipping Request Form Instructions on Features

1. From: **Belton Program Office
Wallops Flight Facility
Wallops Island, VA 22037**

2. Ship to: **CSBRP
1510 E FM 5221
Port Arthur, TX 75000
808-723-0271**

3. From: **CSBRP
1510 E FM 5221
Port Arthur, TX 75000
808-723-0271**

4. Requested Delivery Date: **RECEIVED**

5. Requested Delivery Date: **RECEIVED**

- A. Expedite (Special Handling & Priority Mail)
- B. Expedite (Priority Mail)
- C. Expedite (Priority Mail Express)
- D. Expedite (Priority Mail International)
- E. Expedite (Priority Mail International Express)
- F. Expedite (Priority Mail International Express Plus)
- G. Expedite (Priority Mail International Express Plus International)
- H. Expedite (Priority Mail International Express Plus International Plus)
- I. Expedite (Priority Mail International Express Plus International Plus International)
- J. Expedite (Priority Mail International Express Plus International Plus International Plus)
- K. Expedite (Priority Mail International Express Plus International Plus International Plus International)
- L. Expedite (Priority Mail International Express Plus International Plus International Plus International Plus)
- M. Expedite (Priority Mail International Express Plus International Plus International Plus International Plus International)
- N. Expedite (Priority Mail International Express Plus International Plus International Plus International Plus International Plus)
- O. Expedite (Priority Mail International Express Plus International Plus International Plus International Plus International Plus International)
- P. Expedite (Priority Mail International Express Plus International Plus International Plus International Plus International Plus International Plus)
- Q. Expedite (Priority Mail International Express Plus International Plus International Plus International Plus International Plus International Plus International)
- R. Expedite (Priority Mail International Express Plus International Plus International Plus International Plus International Plus International Plus International Plus)
- S. Expedite (Priority Mail International Express Plus International Plus International Plus International Plus International Plus International Plus International Plus International)
- T. Expedite (Priority Mail International Express Plus International Plus International Plus International Plus International Plus International Plus International Plus International Plus)
- U. Expedite (Priority Mail International Express Plus International Plus International Plus International Plus International Plus International Plus International Plus International Plus International)
- V. Expedite (Priority Mail International Express Plus International Plus International Plus International Plus International Plus International Plus International Plus International Plus International Plus)
- W. Expedite (Priority Mail International Express Plus International Plus International Plus International Plus International Plus International Plus International Plus International Plus International Plus International)
- X. Expedite (Priority Mail International Express Plus International Plus International Plus International Plus International Plus International Plus International Plus International Plus International Plus International Plus)
- Y. Expedite (Priority Mail International Express Plus International Plus International Plus International Plus International Plus International Plus International Plus International Plus International Plus International Plus International)
- Z. Expedite (Priority Mail International Express Plus International Plus International Plus International Plus International Plus International Plus International Plus International Plus International Plus International Plus International Plus International)

6. Ship to: **CSBRP
1510 E FM 5221
Port Arthur, TX 75000
808-723-0271**

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Port Arthur, TX 75000
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14. Ship to: **CSBRP
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15. Ship to: **CSBRP
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808-723-0271**

16. Ship to: **CSBRP
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Port Arthur, TX 75000
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17. Ship to: **CSBRP
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Port Arthur, TX 75000
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18. Ship to: **CSBRP
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Port Arthur, TX 75000
808-723-0271**

19. Ship to: **CSBRP
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Port Arthur, TX 75000
808-723-0271**

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Port Arthur, TX 75000
808-723-0271**

21. Ship to: **CSBRP
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Port Arthur, TX 75000
808-723-0271**

22. Ship to: **CSBRP
1510 E FM 5221
Port Arthur, TX 75000
808-723-0271**

23. Ship to: **CSBRP
1510 E FM 5221
Port Arthur, TX 75000
808-723-0271**

Item No.	Description	Quantity	Unit	Est. No.	Est. Amt.	Req. Amt.	Est. Amt.	Req. Amt.	Est. Amt.	Req. Amt.
1	High Gate Antenna (aircrafting to CSBRP status) - ready to be shipped at CSBRP	1	EA	19	2171901	50,000.00	50,000.00			
2	Oscilloscope (needs to be shipped)	1	EA	19	1922021	19,000.00	19,000.00			
911642 / 516300 / SCEX0201BD										

NOTE: ALL INFORMATION ON THIS AND ON CARBON'S DETERMINED

NASA/GSFC/WALLOPS FLIGHT FACILITY

Code 279.W
Building D-19
Wallops Island, VA 23337

FAX

To:	Code 279		
Fax:	301-286-1644	Pages including cover:	2
Phone:	301-286-5031	Date:	07/17/15
Re:	IPO Approval	cc:	

Comments:

IPO Approval for document number: 523889

Thank you,
Paul Keckner
Traffic Management Office
paul.w.keckner@nasa.gov
TEL: 757.824.1181
FAX: 757.824.2160

Equipment Description	Inactive Reason	Inactive Date	Custodian Account
RECEIVER, TELEMETRY	67	08/30/2013	820
DISPLAY UNIT	67	07/08/2014	820
PROGRAMMABLE TELEMETRY PROCESSOR	67	06/19/2013	820
PROGRAMMABLE TELEMETRY PROCESSOR	67	06/19/2013	820
PROGRAMMABLE TELEMETRY PROCESSOR	67	06/19/2013	820
PROGRAMMABLE TELEMETRY PROCESSOR	67	06/19/2013	820
PROGRAMMABLE TELEMETRY PROCESSOR	67	06/19/2013	820
PROGRAMMABLE TELEMETRY PROCESSOR	67	06/19/2013	820
COMPUTER, MICRO	67	12/21/2010	820
PROGRAMMABLE TELEMETRY PROCESSOR	67	06/19/2013	820
COMPUTER, MICRO	67	06/19/2013	820
COMPUTER, NOTEBOOK	67	11/23/2009	820
OMNIX CHASSIS	67	07/08/2014	820
GLOBAL POSITIONING UNIT	67	07/08/2014	820
ANTENNA ASSEMBLY	67	07/08/2014	820
ANTENNA ASSEMBLY	67	07/08/2014	820
COMPUTER, MICRO	67	12/21/2010	820
CONVERTER, UP	67	07/08/2014	820
CONVERTER, DOWN	67	07/08/2014	820
RECEIVER, TELEMETRY	67	06/24/2014	820
RECEIVER, TELEMETRY	67	06/24/2014	820
RECEIVER, TELEMETRY	67	06/24/2014	820
RECEIVER, TELEMETRY	67	06/24/2014	820
RECEIVER, TELEMETRY	67	06/24/2014	820
COMPUTER, NOTEBOOK	67	03/26/2009	820
DISPLAY UNIT	67	07/08/2014	820
COMPUTER, MICRO	67	07/08/2014	820
SIMULATOR, TDRSS	67	07/08/2014	820
TRANSMITTER	67	07/08/2014	820
ANTENNA ASSEMBLY	67	08/21/2009	820
ANTENNA CONTROL UNIT	67	08/21/2009	820
TRANSPORT, MAGNETIC TAPE	67	09/18/2009	820
TRANSPORT, MAGNETIC TAPE	67	09/18/2009	820
Result	Result	Result	Result

Acquisition Value

\$ 37,338.00
\$ 9,470.00
\$ 29,800.00
\$ 29,800.00
\$ 29,800.00
\$ 29,800.00
\$ 29,800.00
\$ 29,800.00
\$ 44,456.00
\$ 44,400.00
\$ 14,200.00
\$ 2,098.00
\$ 37,962.00
\$ 11,000.00
\$ 10,000.00
\$ 20,000.00
\$ 18,803.00
\$ 14,000.00
\$ 14,000.00
\$ 14,415.00
\$ 14,415.00
\$ 14,415.00
\$ 24,840.00
\$ 14,416.00
\$ 2,100.00
\$ 2,000.00
\$ 3,000.00
\$ 90,430.00
\$ 30,000.00
\$ 20,000.00
\$ 10,000.00
\$ 5,000.00
\$ 5,000.00
\$ 705,359.00

Equipment	Description	EquipCategory	AcquistnValue	Mfr Code
1818027	PROGRAMMABLE TELEMETRY PROCESSOR	N	29,600.00	5P711
1820228	PROGRAMMABLE TELEMETRY PROCESSOR	N	29,600.00	5P711
1820231	PROGRAMMABLE TELEMETRY PROCESSOR	N	29,600.00	5P711
1942890	PROGRAMMABLE TELEMETRY PROCESSOR	N	29,600.00	5P711
1942893	PROGRAMMABLE TELEMETRY PROCESSOR	N	29,600.00	5P711
1942894	PROGRAMMABLE TELEMETRY PROCESSOR	N	29,600.00	5P711
1944159	PROGRAMMABLE TELEMETRY PROCESSOR	N	44,400.00	5P711
1954900	COMPUTER, MICRO	N	14,200.00	5P711
2171901	ANTENNA, HIGH GAIN	N	50,000.00	WLPFC
2171910	ANTENNA, HIGH GAIN	N	50,000.00	WLPFC
3081399	TRANSPORT, MAGNETIC TAPE	N	5,000.00	WLPFC
3081400	TRANSPORT, MAGNETIC TAPE	N	5,000.00	WLPFC

Model number	ManufSerialNo.	MaintPlant	Plant section	Location	Room	Business Area
PYPNT1001	001	GSFC	06	WF-NMSU-TX	CSBF	51
PTPNT1001	003	GSFC	06	WF-NMSU-TX	CSBF	51
PTPNT1001	004	GSFC	06	WF-NMSU-TX	CSBF	51
PTPNT1001	015	GSFC	06	WF-NMSU-TX	CSBF	51
PTPNT1001	09	GSFC	06	WF-NMSU-TX	CSBF	51
PTPNT1001	11	GSFC	06	WF-NMSU-TX	CSBF	51
PTPNT1001	022	GSFC	06	WF-NMSU-TX	CSBF	51
PTPNT1003	20081	GSFC	06	WF-NMSU-TX	CSBF	51
HGA	007	GSFC	06	WF-NMSU-TX	100	51
HGA	008	GSFC	06	WF-NMSU-TX	100	51
6L160P0	48128816-J270	GSFC	06	WF-NMSU-TX		51
6L160P0	82073748-P170	GSFC	06	WF-NMSU-TX		51

Acq Method Code	FSC Code	Sub Installation	Last inv On Date	Custodian Number	Custodian Account
13	5895	06	06/11/2013	999643001	820
13	5895	06	06/11/2013	999643001	820
13	5895	06	06/11/2013	999643001	820
13	5895	06	06/11/2013	999643001	820
13	5895	06	06/11/2013	999643001	820
13	5895	06	06/11/2013	999643001	820
13	5895	06	06/11/2013	999643001	820
13	7021	06	06/11/2013	999643001	820
10	5985	06	09/03/2013	999643001	820
10	5985	06	09/03/2013	999643001	820
01	7025	06	07/17/2009	471159041	820
01	7025	06	07/17/2009	471159041	820

Custodian Org Code	End User Number	First name	Last name	End User Org Code	Accept Indicator
820	999643001	REBECCA	GRAMLICH	8200	A
820	999643001	REBECCA	GRAMLICH	8200	A
820	999643001	REBECCA	GRAMLICH	8200	A
820	999643001	REBECCA	GRAMLICH	8200	A
820	999643001	REBECCA	GRAMLICH	8200	A
820	999643001	REBECCA	GRAMLICH	8200	A
820	999643001	REBECCA	GRAMLICH	8200	A
820	999643001	REBECCA	GRAMLICH	8200	A
820	676306851	DAVID	STUCHLIK	8200	A
820	676306851	DAVID	STUCHLIK	8200	A
TBD	676306851	DAVID	STUCHLIK	8200	A
TBD	676306851	DAVID	STUCHLIK	8200	A

High Risk Flag	Inactive Flag	Inactive Reason Code	Asset	Converted Record	ECCN	ITAR Category Code
	X	67				
	X	67				
	X	67				
	X	67				
	X	67				
	X	67				
	X	67				
X	X	67				
X	X	67				
X	X	67				

	Description	EquipCategory	AcquistnValue	Mfr Code
1818027	PROGRAMMABLE TELEMETRY PROCESSOR	N	29,600.00	5P711
1820228	PROGRAMMABLE TELEMETRY PROCESSOR	N	29,600.00	5P711
1820231	PROGRAMMABLE TELEMETRY PROCESSOR	N	29,600.00	5P711
1942890	PROGRAMMABLE TELEMETRY PROCESSOR	N	29,600.00	5P711
1942893	PROGRAMMABLE TELEMETRY PROCESSOR	N	29,600.00	5P711
1942894	PROGRAMMABLE TELEMETRY PROCESSOR	N	29,600.00	5P711
1944159	PROGRAMMABLE TELEMETRY PROCESSOR	N	44,400.00	5P711
1954900	COMPUTER, MICRO	N	14,200.00	5P711
2171901	ANTENNA, HIGH GAIN	N	50,000.00	WLPFC
2171910	ANTENNA, HIGH GAIN	N	50,000.00	WLPFC
3081399	TRANSPORT, MAGNETIC TAPE	N	5,000.00	WLPFC
3081400	TRANSPORT, MAGNETIC TAPE	N	5,000.00	WLPFC

Model number	ManufSerialNo.	MaintPlant	Plant section	Location	Room	Business Area
PYPNT1001	001	GSFC	06	WF-NMSU-TX	CSBF	51
PTPNT1001	003	GSFC	06	WF-NMSU-TX	CSBF	51
PTPNT1001	004	GSFC	06	WF-NMSU-TX	CSBF	51
PTPNT1001	015	GSFC	06	WF-NMSU-TX	CSBF	51
PTPNT1001	09	GSFC	06	WF-NMSU-TX	CSBF	51
PTPNT1001	11	GSFC	06	WF-NMSU-TX	CSBF	51
PTPNT1001	022	GSFC	06	WF-NMSU-TX	CSBF	51
PTPNT1003	20081	GSFC	06	WF-NMSU-TX	CSBF	51
HGA	007	GSFC	06	WF-NMSU-TX	100	51
HGA	008	GSFC	06	WF-NMSU-TX	100	51
6L160P0	48128816-J270	GSFC	06	WF-NMSU-TX		51
6L160P0	82073748-P170	GSFC	06	WF-NMSU-TX		51

Acq Method Code	FSC Code	Sub Installation	Last Inv On Date	Custodian Number	Custodian Account
13	5895	06	06/11/2013	999643001	820
13	5895	06	06/11/2013	999643001	820
13	5895	06	06/11/2013	999643001	820
13	5895	06	06/11/2013	999643001	820
13	5895	06	06/11/2013	999643001	820
13	5895	06	06/11/2013	999643001	820
13	5895	06	06/11/2013	999643001	820
13	7021	06	06/11/2013	999643001	820
10	5985	06	09/03/2013	999643001	820
10	5985	06	09/03/2013	999643001	820
01	7025	06	07/17/2009	471159041	820
01	7025	06	07/17/2009	471159041	820

Custodian Org Code	End User Number	First name	Last name	End User Org Code	Accept Indicator
820	999643001	REBECCA	GRAMLICH	8200	A
820	999643001	REBECCA	GRAMLICH	8200	A
820	999643001	REBECCA	GRAMLICH	8200	A
820	999643001	REBECCA	GRAMLICH	8200	A
820	999643001	REBECCA	GRAMLICH	8200	A
820	999643001	REBECCA	GRAMLICH	8200	A
820	999643001	REBECCA	GRAMLICH	8200	A
820	676306851	DAVID	STUHLIK	8200	A
820	676306851	DAVID	STUHLIK	8200	A
TBD	676306851	DAVID	STUHLIK	8200	A
TBD	676306851	DAVID	STUHLIK	8200	A

High Risk Flag	Inactive Flag	Inactive Reason Code	Asset	Converted Record	ECCN	ITAR Category Code
	X	67				
	X	67				
	X	67				
	X	67				
	X	67				
	X	67				
	X	67				
X	X	67				
X	X	67				
X	X	67				

AMENDMENT OF SOLICITATION...MODIFICATION OF CONTRACT

CONTRACT ID CODE

PAGE(S)
1 of 2

2. AMENDMENT/MODIFICATION NO. 10	3. EFFECTIVE DATE See Blk 16c	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)
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6. ISSUED BY NASA Goddard Space Flight Center Wallops Flight Facility Wallops Island, VA 23337	7. ADMINISTERED BY (If other than Item 6) Same
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Orbital Sciences Corporation Technical Services Division ATTN: Jeff Heath 7500 Greenway Center Drive Ste. 700 Greenbelt, MD 20770	()	9A. AMENDMENT OF SOLICITATION NO.
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9b. DATED (SEE ITEM 11)	X	10A. MODIFICATION OF CONTRACT/ORDER no: NNG15WA53C
10B. DATED (SEE ITEM 13): 02-01-2015		

CODE:	FACILITY CODE:
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11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing items 8 and and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

TOTAL FUNDING: \$25,297,116.49 Total Estimated Cost : 64,885,402.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in payi office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) Far 52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject mater where feasible.)

A. The total estimated contract value remains unchanged.

B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Mickey M. Merritt		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	15B. UNITED STATES OF AMERICA BY Original signed by (Signature of Contracting Officer)	16C. DATE SIGNE 9/02/2015
(Signature of person authorized to sign)			

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990) – obligate as follows:
PR # 4200564128:

CORE:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$ 20,800,534.22	\$250,606.07	\$21,051,140.39 -BPO Support

2. Revise B.6 CPFF TASK ORDER FUNDING

IDIQ:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$4,030,976.20	\$215,000.00	\$4,245,976.20 BPO IDIQ Support

3. Total obligated by this modification is \$465,606.22.
4. The period of allotment is from date this contract through October 1, 2015
5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 10

AMENDMENT OF SOLICITATION...MODIFICATION OF CONTRACT

CONTRACT ID CODE

PAGE(S)
1 of 2

2. AMENDMENT/MODIFICATION NO. 11	3. EFFECTIVE DATE See Blk 16c	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (if applicable)
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6. ISSUED BY NASA Goddard Space Flight Center Wallops Flight Facility Wallops Island, VA 23337	7. ADMINISTERED BY (if other than item 6) Same
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Orbital Sciences Corporation Technical Services Division ATTN: Jeff Heath 7500 Greenway Center Drive Ste. 700 Greenbelt, MD 20770	()	9A. AMENDMENT OF SOLICITATION NO.
--	-----	-----------------------------------

9b. DATED (SEE ITEM 11)	X	10A. MODIFICATION OF CONTRACT/ORDER NO: NNG15WA53C
10B. DATED (SEE ITEM 13): 02-01-2015		

CODE:	FACILITY CODE:
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11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing items 8 and and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)

TOTAL FUNDING: \$25,360,272.49 Total Estimated Cost : 64,885,402.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) Far 52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject mater where feasible.)

- A. The total estimated contract value remains unchanged.**
- B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC)**

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Mickey M. Merritt		
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA By: Original signed by	16C. DATE SIGNED 9/15/15

- 1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990) – obligate as follows:
PR # 4200565633:**

CORE:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$21,051,140.29	\$ 41,000.00	\$21,092,140.29 -BPO Support

- 2. Revise B.6 CPFF TASK ORDER FUNDING**

IDIQ:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$ 4,245,976.20	\$22,156.00	\$4,268,132.20 BPO IDIQ Support

- 3. Total obligated by this modification is \$63,156.00.**
- 4. The period of allotment is from date this contract through October 1, 2015**
- 5. No other changes to this contract are made by issuance of this modification.**

END MODIFICATION NO. 11

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

CONTRACT ID CODE

PAGE(S)
1 of 2

2. AMENDMENT/MODIFICATION NO. 12	3. EFFECTIVE DATE See Blk 16c	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)
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6. ISSUED BY NASA Goddard Space Flight Center Wallops Flight Facility Wallops Island, VA 23337	7. ADMINISTERED BY (If other than Item 6) Same
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Orbital Sciences Corporation Technical Services Division ATTN: Jeff Heath 7500 Greenway Center Drive Ste. 700 Greenbelt, MD 20770	()	9A. AMENDMENT OF SOLICITATION NO.
		9b. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO: NNG15WA53C
CODE:	FACILITY CODE:	10B. DATED (SEE ITEM 13): 02-01-2015

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing Items 8 and and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

TOTAL FUNDING: \$25,360,344.17 Total Estimated Cost : 64,885,402.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) Far 52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject mater where feasible.)

- A. The total estimated contract value remains unchanged.**
- B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC)**

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
15B. CONTRACTOR/OFFEROR		16B. UNITED STATES OF AMERICA BY Original Signed By	
15C. DATE SIGNED		16C. DATE SIGNED	
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990) – obligate as follows:
PR # 4200567488:

CORE:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$21,092,140.29	\$ 71.68	\$21,092,211.97 -BPO Support

2. Revise B.6 CPFF TASK ORDER FUNDING

IDIQ: (No Change from last Modification)

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$ 4,245,976.20	\$22,156.00	\$4,268,132.20 BPO IDIQ Support

3. Total obligated by this modification is \$71.68.
4. The period of allotment is from date this contract through November 13, 2015
5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 12

AMENDMENT OF SOLICITATION / MODIFICATION OF CONTRACT

CONTRACT ID CODE

PAGE(S)
1 of 2

2. AMENDMENT/MODIFICATION NO. 13	3. EFFECTIVE DATE See Blk 16c	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (if applicable)
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6. ISSUED BY NASA Goddard Space Flight Center Wallops Flight Facility Wallops Island, VA 23337	7. ADMINISTERED BY (if other than Item 6) Same
--	--

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Orbital Sciences Corporation Technical Services Division ATTN: Jeff Heath 7500 Greenway Center Drive Ste. 700 Greenbelt, MD 20770	()	9A. AMENDMENT OF SOLICITATION NO.
		9b. DATED (SEE ITEM 11)
		10A. MODIFICATION OF CONTRACT/ORDER NO: NNG15WA53C
CODE:	FACILITY CODE:	X 10B. DATED (SEE ITEM 13): 02-01-2015

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing Items 8 and and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)

TOTAL FUNDING: \$29,701,397.17 Total Estimated Cost : 64,885,402.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay/ office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) Far 52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject mater where feasible.)

- A. The total estimated contract value remains unchanged.**
- B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC)**

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		Mickey M. Merritt	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA By Original signed by	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	11/4/2015

1. **Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990)) – obligate as follows:
PR # 4200569981:**

CORE:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$21,092,211.97	\$ 3,615,000.00	\$24,707,211.97-BPO Support

2. **Revise B.6 CPFF TASK ORDER FUNDING**

IDIQ:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$4,268,132.20	\$500,000.00	\$4,768,132.20 BPO IDIQ Support
\$4,768,132.20	\$226,053.00	\$4,994,185.20 LDS IDIQ Support

- 3. **Total obligated by this modification is \$4,341,053.00.**
- 4. **The period of allotment is from date this contract through January 31, 2016**
- 5. **No other changes to this contract are made by issuance of this modification.**

END MODIFICATION NO. 13

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAGE(S) 1 of 4
2. AMENDMENT/MODIFICATION NO. 14	3. EFFECTIVE DATE See Blk 16c	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)		
6. ISSUED BY NASA Goddard Space Flight Center Wallops Flight Facility Wallops Island, VA 23337		7. ADMINISTERED BY (If other than item 6) Same			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Orbital Sciences Corporation Technical Services Division ATTN: Jeff Heath 7500 Greenway Center Drive Ste. 700 Greenbelt, MD 20770		()	9A. AMENDMENT OF SOLICITATION NO.		
CODE:		FACILITY CODE:		9b. DATED (SEE ITEM 11)	
				10A. MODIFICATION OF CONTRACT/ORDER NO: NNG15WA53C	
				10B. DATED (SEE ITEM 13): 02-01-2015	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter c telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

TOTAL FUNDING: \$29,701,397.17 Total Estimated Cost : 64,885,402.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

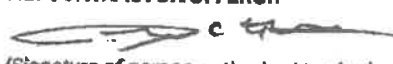
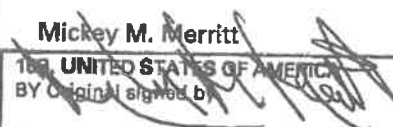
	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay/in office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 52.243.2-CHANGES-COST-REIMBURSEMENT (AUG 1987)- ALTERNATE V (APR 1984)
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

A. The purpose of this modification is to make following revision:

Revise clause H.7. from 1852.242-72 OBSERVANCE OF LEGAL HOLIDAYS (AUG 1992) –AND ALTERNATE II (OCT 2000) to 1852.242-72 DENIED ACCESS TO NASA FACILITIES (OCT 2015).

15A. NAME AND TITLED OF SIGNER (Type or print) Jeff Health, Director, Contracts		15B. CONTRACTOR/OFFEROR		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Mickey M. Merritt	
 (Signature of person authorized to sign)		15C. DATE SIGNED 1/5/16		16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	
NSN 7540-01-152-8070				16C. DATE SIGNED 1/5/2016	

B. Clause H.9 is revised from:

1852.242-72 OBSERVANCE OF LEGAL HOLIDAYS (AUG 1992) –AND ALTERNATE II (OCT 2000)

(a) The on-site Government personnel observe the following holidays:

New Year's Day
Labor Day
Martin Luther King, Jr.'s Birthday
Columbus Day
President's Day
Veterans Day
Memorial Day
Thanksgiving Day
Independence Day
Christmas Day
Any other day designated by Federal statute, Executive order, or the President's proclamation.

(b) When any holiday falls on a Saturday, the preceding Friday is observed. When any holiday falls on a Sunday, the following Monday is observed. Observance of such days by Government personnel shall not by itself be cause for an additional period of performance or entitlement of compensation except as set forth within the contract.

(c) When the NASA installation grants administrative leave to its Government employees (e.g., as a result of inclement weather, potentially hazardous conditions, or other special circumstances), Contractor personnel working on-site should also be dismissed. However, the contractor shall provide sufficient on-site personnel to perform round-the-clock requirements of critical work already in process, unless otherwise instructed by the Contracting Officer or authorized representative.

(d) Whenever administrative leave is granted to Contractor personnel pursuant to paragraph (e) of this clause, it shall be without loss to the Contractor. The cost of salaries and wages to the Contractor for the period of any such excused absence shall be a reimbursable item of cost under this contract for employees in accordance with the Contractor's established accounting policy.

(End of clause)

To:

1852.242-72 DENIED ACCESS TO NASA FACILITIES (OCT 2015)

(a)(1) The performance of this contract requires contractor employees of the prime contractor or any subcontractor, affiliate, partner, joint venture, or team member with which the contractor is associated, including consultants engaged by any of these entities, to have access to, physical entry

into, and to the extent authorized, mobility within, a NASA facility.

(2) NASA may close and or deny contractor access to a NASA facility for a portion of a business day or longer due to any one of the following events:

- (i) Federal public holidays for federal employees in accordance with 5 U.S.C. 6103.
- (ii) Fires, floods, earthquakes, unusually severe weather to include snow storms, tornadoes and hurricanes.
- (iii) Occupational safety or health hazards.
- (iv) Non-appropriation of funds by Congress.
- (v) Any other reason.

(3) In such events, the contractor employees may be denied access to a NASA facility, in part or in whole, to perform work required by the contract. Contractor personnel already present at a NASA facility during such events may be required to leave the facility.

(b) In all instances where contractor employees are denied access or required to vacate a NASA facility, in part or in whole, the contractor shall be responsible to ensure contractor personnel working under the contract comply. If the circumstances permit, the contracting officer will provide direction to the contractor, which could include continuing on-site performance during the NASA facility closure period. In the absence of such direction, the contractor shall exercise sound judgment to minimize unnecessary contract costs and performance impacts by, for example, performing required work off-site if possible or reassigning personnel to other activities if appropriate.

(c) The contractor shall be responsible for monitoring the local radio, television stations, NASA Web sites, other communications channels, for example contracting officer notification, that the NASA facility is accessible. Once accessible the contractor shall resume contract performance as required by the contract.

(d) For the period that NASA facilities were not accessible to contractor employees, the contracting officer may—

- (1) Adjust the contract performance or delivery schedule for a period equivalent to the period the NASA facility was not accessible;
- (2) Forego the work;
- (3) Reschedule the work by mutual agreement of the parties; or
- (4) Consider properly documented requests for equitable adjustment, claim, or any other remedy pursuant to the terms and conditions of the contract.

(e) Notification procedures of a NASA facility closure, including contractor denial of access, as follows:

(1) The contractor shall be responsible for monitoring the local radio, television stations, NASA Web sites, other communications channels, for example contracting officer notification, for announcement of a NASA facility closure to include denial of access to the NASA facility. The contractor shall be responsible for notification of its employees of the NASA facility closure to include denial of access to the NASA facility. The dismissal of NASA employees in accordance with statute and regulations providing for such dismissals shall not, in itself, equate to a NASA facility closure in which contractor employees are denied access. Moreover, the leave status of NASA employees shall not be conveyed or imputed to contractor personnel. Accordingly, unless a NASA facility is closed and the contractor is denied access to the facility, the contractor shall

continue performance in accordance with the contract.

(2) NASA's Emergency Notification System (ENS). ENS is a NASA-wide Emergency Notification and Accountability System that provides NASA the ability to send messages, both Agency-related and/or Center-related, in the event of an emergency or emerging situation at a NASA facility.

Notification is provided via multiple communication devices, *e.g.* Email, text, cellular, home / office numbers. The ENS provides the capability to respond to notifications and provide the safety status. Contractor employees may register for these notifications at the ENS

Web site: <http://www.hq.nasa.gov/office/ops/rsuonly/ENSinformation.html>

(End of clause)

5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 14

AMENDMENT OF SOLICITATION . . . MODIFICATION OF CONTRACT

CONTRACT ID CODE

PAGE(S)
1 of 2

2. AMENDMENT/MODIFICATION NO. **15** 3. EFFECTIVE DATE **See Blk 16c** 4. REQUISITION/PURCHASE REQ. NO. **N/A** 5. PROJECT NO. (If applicable)

6. ISSUED BY
**NASA
Goddard Space Flight Center
Wallops Flight Facility
Wallops Island, VA 23337**

7. ADMINISTERED BY (If other than item 6)
Same

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)
**Orbital Sciences Corporation
Technical Services Division
ATTN: Jeff Heath
7500 Greenway Center Drive Ste. 700
Greenbelt, MD 20770**

9A. AMENDMENT OF SOLICITATION NO. ()

9b. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO: **NNG15WA53C**

10B. DATED (SEE ITEM 13): **02-01-2015**

CODE: FACILITY CODE: X

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing items 8 and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

TOTAL FUNDING: \$34,701,397.17 Total Estimated Cost : 64,885,402.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

- A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
- B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
- C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
- X D. OTHER (Specify type of modification and authority)
Far 52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject mater where feasible.)

- A. The total estimated contract value remains unchanged.**
- B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC)**

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print) 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
Mickey M. Merritt

15B. CONTRACTOR/OFFEROR 15C. DATE SIGNED 16B. UNITED STATES OF AMERICA
By Original signed by 16C. DATE SIGNED
(Signature of person authorized to sign) (Signature of Contracting Officer)
2/01/2016

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990) – obligate as follows:
PR # 4200577194:

CORE:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$24,707,211.97	\$ 4,500,000.00	\$29,207,211.97-BPO Support

2. Revise B.6 CPFF TASK ORDER FUNDING

IDIQ:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$ 4,994,185.20	\$500,000.00	\$5,494,185.20 BPO IDIQ Support

3. Total obligated by this modification is \$5,000,000.00.

4. The period of allotment is from date this contract through March 31, 2016

5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 15

AMENDMENT OF SOLICITATION . . . MODIFICATION OF CONTRACT

CONTRACT ID CODE

PAGE(S)
1 of 2

2. AMENDMENT/MODIFICATION NO. 16	3. EFFECTIVE DATE See Blk 16c	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (if applicable)
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6. ISSUED BY NASA Goddard Space Flight Center Wallops Flight Facility Wallops Island, VA 23337	7. ADMINISTERED BY (if other than Item 6) Same
--	---

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Orbital Sciences Corporation Technical Services Division ATTN: Jeff Heath 7500 Greenway Center Drive Ste. 700 Greenbelt, MD 20770	()	9A. AMENDMENT OF SOLICITATION NO.
		9b. DATED (SEE ITEM 11)
		10A. MODIFICATION OF CONTRACT/ORDER NO: NNG15WA53C
CODE:	FACILITY CODE:	X 10B. DATED (SEE ITEM 13): 02-01-2015

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing Items 8 and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)

TOTAL FUNDING: \$50,820,944.17 Total Estimated Cost : 64,885,402.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) Far 52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject mater where feasible.)

- A. The total estimated contract value remains unchanged.**
- B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC)**

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		Mickey M. Merritt	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA Original signed by	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	2/29/2016

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990)) – obligate as follows:
PR # 4200580449:

CORE:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$ 29,207,211.97	\$ 15,119,547.00	\$44,326,758.97-BPO Support

2. Revise B.6 CPFF TASK ORDER FUNDING

IDIQ:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$ 5,494,185.20	\$1,000,000.00	\$6,494,185.20 BPO IDIQ Support

3. Total obligated by this modification is \$16,119,547.00.
4. The period of allotment is from date this contract through September 30, 2016
5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 16

AMENDMENT OF SOLICITATION. MODIFICATION OF CONTRACT

CONTRACT ID CODE

PAGE(S)
1 of 2

AMENDMENT/MODIFICATION NO.
17

3. EFFECTIVE DATE
See Blk 16c

4. REQUISITION/PURCHASE REQ. NO.
N/A

5. PROJECT NO. (If applicable)

6. ISSUED BY
NASA
Goddard Space Flight Center
Wallops Flight Facility
Wallops Island, VA 23337

7. ADMINISTERED BY (If other than Item 6)

Same

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)

Orbital Sciences Corporation
Technical Services Division
ATTN: Jeff Heath
7500 Greenway Center Drive Ste. 700
Greenbelt, MD 20770

()

9A. AMENDMENT OF SOLICITATION NO.

9b. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER
NO: NNG15WA53C

X

10B. DATED (SEE ITEM 13):
02-01-2015

CODE:

FACILITY CODE:

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing Items 8 and and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

TOTAL FUNDING: \$51,241,952.43 Total Estimated Cost : 64,885,402.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

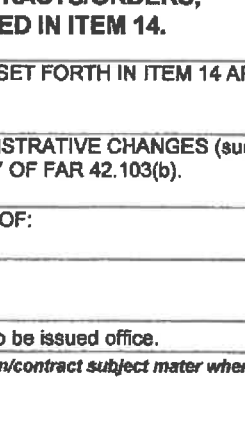
- A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
- B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay/ office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
- C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
- X D. OTHER (Specify type of modification and authority)
Far 52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject mater where feasible.)

- A. The total estimated contract value remains unchanged.
- B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		Mickey M. Merritt	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY Original signed by 	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	3/29/16

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990) – obligate as follows:
PR # 4200583050:

CORE:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$44,326,758.97	\$ 8.26	\$44,326,767.23-BPO Support

2. Revise B.6 CPFF TASK ORDER FUNDING

IDIQ:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$6,494,185.20	\$421,000.00	\$6,915,185.20 BPO IDIQ Support

3. Total obligated by this modification is \$421,008.26.
4. The period of allotment is from date this contract through September 30, 2016
5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 17

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
PAGE(S)
1 of 2

2. AMENDMENT/MODIFICATION NO. 18
3. EFFECTIVE DATE See Blk 16c
4. REQUISITION/PURCHASE REQ. NO. N/A
5. PROJECT NO. (If applicable)

6. ISSUED BY
NASA
Goddard Space Flight Center
Wallops Flight Facility
Wallops Island, VA 23337

7. ADMINISTERED BY (If other than Item 6)
Same

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)
Orbital Sciences Corporation
Technical Services Division
ATTN: Jeff Heath
7500 Greenway Center Drive Ste. 700
Greenbelt, MD 20770

CODE: FACILITY CODE:

9A. AMENDMENT OF SOLICITATION NO.

9b. DATED (SEE ITEM 11)
10A. MODIFICATION OF CONTRACT/ORDER NO: NNG15WA53C
10B. DATED (SEE ITEM 13): 02-01-2015

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing items 9 and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
TOTAL FUNDING: \$51,241,952.43 Total Estimated Cost : 64,885,402.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

- A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
- B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
- C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
- X D. OTHER (Specify type of modification and authority)
Far 52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor [X] is not, [X] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

- A. The total estimated contract value remains unchanged.
- B. This modification is issued to incorporate Clause H.24, 1852.219-75 INDIVIDUAL SUBCONTRACTING REPORTS (APR 2015).

Except as provided herein, all terms and conditions of the document referenced in item 5A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)
Jeffery Heath, Director of Contracts

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
Mickey M. Merritt

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED
6/20/2016

16B. UNITED STATES OF AMERICA
BY Original signed by
(Signature of Contracting Officer)

16C. DATE SIGNED
6/22/16

H.24 1852.219-75 Individual Subcontracting Reports.

INDIVIDUAL SUBCONTRACTING REPORTS (APR 2015)

When submitting Individual Subcontracting Reports in eSRS in accordance with FAR 52.219-9(1) (1), the contractor shall enter goals as a percentage of total contract value as well as a percentage of total subcontract dollars.

(End of clause)

No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 18

AMENDMENT OF SOLICITATION AND MODIFICATION OF CONTRACT

CONTRACT ID CODE

PAGE(S)
1 of 2

2. AMENDMENT/MODIFICATION NO. 19	3. EFFECTIVE DATE See Blk 16c	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)
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6. ISSUED BY NASA Goddard Space Flight Center Wallops Flight Facility Wallops Island, VA 23337	7. ADMINISTERED BY (If other than Item 6) Same
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Orbital Sciences Corporation Technical Services Division ATTN: Jeff Heath 7500 Greenway Center Drive Ste. 700 Greenbelt, MD 20770	()	9A. AMENDMENT OF SOLICITATION NO.
		9b. DATED (SEE ITEM 11)
		10A. MODIFICATION OF CONTRACT/ORDER NO: NNG15WA53C
CODE:	FACILITY CODE:	X
		10B. DATED (SEE ITEM 13): 02-01-2015

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing Items 8 and and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment. and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

TOTAL FUNDING: \$53,915,901.76 Total Estimated Cost : 64,885,402.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) Far 52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject mater where feasible.)

- A. The total estimated contract value remains unchanged.**
- B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC)**

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		Mickey M. Merritt	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY Original signed by	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	7/14/2016

1. **Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990) – obligate as follows:
PR # 4200591499 and 4200595525:**

CORE:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$ 44,326,767.23	\$ 849.33	\$44,327,616.56-BPO Support

2. **Revise B.6 CPFF TASK ORDER FUNDING**

IDIQ:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$ 6,915,185.20	\$2,673,100.00	\$9,588,285.20 BPO IDIQ Support

3. **Total obligated by this modification is \$2,673,949.33.**
4. **The period of allotment is from date this contract through September 30, 2016**
5. **No other changes to this contract are made by issuance of this modification.**

END MODIFICATION NO. 19

AMENDMENT OF SOLICITATION/... MODIFICATION OF CONTRACT

CONTRACT ID CODE

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2. AMENDMENT/MODIFICATION NO. 20
 3. EFFECTIVE DATE See Blk 16c
 4. REQUISITION/PURCHASE REQ. NO. N/A
 5. PROJECT NO. (If applicable)

6. ISSUED BY
NASA
Goddard Space Flight Center
Wallops Flight Facility
Wallops Island, VA 23337

7. ADMINISTERED BY (If other than Item 6)
Same

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)
Orbital Sciences Corporation
Technical Services Division
ATTN: Jeff Heath
7500 Greenway Center Drive Ste. 700
Greenbelt, MD 20770

9A. AMENDMENT OF SOLICITATION NO.

9b. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO: **NNG15WA53C**

10B. DATED (SEE ITEM 13): **02-01-2015**

CODE: FACILITY CODE:

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing Items 8 and and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

TOTAL FUNDING: \$53,736,450.76 Total Estimated Cost : 64,885,402.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

- A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
- B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
- C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
- X D. OTHER (Specify type of modification and authority)
Far 52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

- A. The total estimated contract value remains unchanged.
- B. This modification is issued to deobligate contract funding (LDSD) IDIQ for the NASA Balloon Operations Contract (NBOC)


Except as provided herein, all terms and conditions of the document referenced in Item 8A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print)

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
Mickey M. Merritt

15B. CONTRACTOR/OFFEROR

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
 BY Original signed by

 (Signature of Contracting Officer)

16C. DATE SIGNED
7/28/2016

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990)) – deobligate as follows:
PR # 4200569981:

CORE: No Change

FROM BY TO

2. Revise B.6 CPF TASK ORDER FUNDING

IDIQ:

<u>FROM</u>	<u>BY</u>	<u>TO</u>	
\$ 9,588,285.20	-\$179,451.00	\$9,408,834.20	LDS IDIQ Support

3. Total deobligated by this modification is- \$179,451.00.
4. The period of allotment is from date this contract through September 30, 2016
5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 20

AMENDMENT OF SOLICITATION...MODIFICATION OF CONTRACT

CONTRACT ID CODE

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2. AMENDMENT/MODIFICATION NO. 21	3. EFFECTIVE DATE See Blk 16c	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)
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6. ISSUED BY NASA Goddard Space Flight Center Wallops Flight Facility Wallops Island, VA 23337	7. ADMINISTERED BY (If other than Item 6) Same
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Orbital Sciences Corporation Technical Services Division ATTN: Jeff Heath 7500 Greenway Center Drive Ste. 700 Greenbelt, MD 20770	()	9A. AMENDMENT OF SOLICITATION NO.
		9b. DATED (SEE ITEM 11)
		10A. MODIFICATION OF CONTRACT/ORDER No: NNG15WA53C
CODE:	FACILITY CODE:	X
		10B. DATED (SEE ITEM 13): 02-01-2015

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing Items 8 and and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

TOTAL FUNDING: \$53,736,450.76 Total Estimated Cost : \$140,803,051.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR52.243.2-Changes-Cost-Reimbursement (AUG 1987)-Alternate V (APR 1984)
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be Issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject mater where feasible..

A. The purpose of this modification is to exercise Option #1 in accordance with Clause F.5 Option to Extend Services, of the NBOC Contract for Twenty four (24) months.

B. The new period of Performance is February 1, 2015 thru September 30, 2018.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or prin		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or prin	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	Mickey M. Merritt 16B. UNITED STATES OF AMERICA By Original signed by	16C. DATE SIGNE 8/16/2016
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

C. The total estimated cost is increased as follows:

	<u>From:</u>	<u>By:</u>	<u>To:</u>
Core:	(b) (4)	(b) (4)	(b) (4)
Fee:			
IDIQ:	\$25,000,000	\$28,000,000	\$53,000,000

Total Contract Estimated Cost thru September 30, 2018 is \$140,803,051.

D. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 21

AMENDMENT OF SOLICITATION...MODIFICATION OF CONTRACT

CONTRACT ID CODE

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2. AMENDMENT/MODIFICATION NO. **22** 3. EFFECTIVE DATE **See Blk 16c** 4. REQUISITION/PURCHASE REQ. NO. **N/A** 5. PROJECT NO. (If applicable)

6. ISSUED BY
**NASA
Goddard Space Flight Center
Wallops Flight Facility
Wallops Island, VA 23337**

7. ADMINISTERED BY (If other than Item 6)
Same

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)
**Orbital Sciences Corporation
Technical Services Division
ATTN: Jeff Heath
7500 Greenway Center Drive Ste. 700
Greenbelt, MD 20770**

9A. AMENDMENT OF SOLICITATION NO.

9b. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO: **NNG15WA53C**

10B. DATED (SEE ITEM 13): **02-01-2015**

CODE: FACILITY CODE:

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing Items 8 and and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

TOTAL FUNDING: \$55,063,750.28 Total Estimated Cost : \$140,803,051.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR52.243.2-Changes-Cost-Reimbursement (AUG 1987)-Alternate V (APR 1984)

X D. OTHER (Specify type of modification and authority)
FAR52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject mater where feasible..

- A. The total estimated contract value remains unchanged.**
- B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC)**

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print) 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

15B. CONTRACTOR/OFFEROR 15C. DATE SIGNED 16B. UNITED STATES OF AMERICA BY Original signed by 16C. DATE SIGNED

(Signature of person authorized to sign) (Signature of Contracting Officer)

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990)) -- obligate as follows:
PR # 4200600391:

CORE:

<u>FROM</u>	<u>BY</u>	<u>TO</u>	
\$ 44,327,616.56	\$ 7,299.52	\$44,334,916.08-BPO Support	

2. Revise B.6 CPFF TASK ORDER FUNDING

IDIQ:

<u>FROM</u>	<u>BY</u>	<u>TO</u>	
\$9,408,834.20	\$1,320,000.00	\$10,728,834.20	BPO IDIQ

3. Total obligated by this modification is \$1,327,299.52.00.

4. The period of allotment is from date this contract through September 30, 2016

5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 22

AMENDMENT OF SOLICITATION...MODIFICATION OF CONTRACT

CONTRACT ID CODE

PAGE(S)
1 of 2

2. AMENDMENT/MODIFICATION NO. 23	3. EFFECTIVE DATE See Blk 16c	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)
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6. ISSUED BY NASA Goddard Space Flight Center Wallops Flight Facility Wallops Island, VA 23337	7. ADMINISTERED BY (If other than Item 6) Same
--	---

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Orbital Sciences Corporation Technical Services Division ATTN: Jeff Heath 7500 Greenway Center Drive Ste. 700 Greenbelt, MD 20770	()	9A. AMENDMENT OF SOLICITATION NO.
		9b. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO: NNG15WA53C
CODE:	FACILITY CODE:	10B. DATED (SEE ITEM 13): 02-01-2015

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing Items 8 and and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

TOTAL FUNDING: \$55,013,750.28 Total Estimated Cost : \$140,803,051.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR52.243.2-Changes-Cost-Reimbursement (AUG 1987)-Alternate V (APR 1984)
X	D. OTHER (Specify type of modification and authority) FAR52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

- A. The total estimated contract value remains unchanged.**
- B. This modification is issued to de-obligate contract funding for the NASA Balloon Operations Contract (NBOC)**

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Mickey M. Mcgritt
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA BY Original signed by (Signature of Contracting Officer)
15C. DATE SIGNED	16C. DATE SIGNED 02/22/2016

(Signature of person authorized to sign)

NSN 7540-01-152-8070

STANDARD FORM 30 (REV 10-83)

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990)) – obligate as follows:
PR # 4200580449:

CORE:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$44,334,916.08	- \$ 50,000.00	\$44,284,916.08-BPO Support

2. Revise B.6 CPFF TASK ORDER FUNDING (No Change)

IDIQ:

<u>FROM</u>	<u>BY</u>	<u>TO</u>	
\$9,408,834.20	\$1,320,000.00	\$10,728,834.20	BPO IDIQ

3. Total de- obligated by this modification is- \$50,000.00.

4. The period of allotment is from date this contract through September 30, 2016

5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 23

AMENDMENT OF SOLICITATION / MODIFICATION OF CONTRACT

CONTRACT ID CODE

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2. AMENDMENT/MODIFICATION NO. 24	3. EFFECTIVE DATE See Blk 16c	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)
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6. ISSUED BY NASA Goddard Space Flight Center Wallops Flight Facility Wallops Island, VA 23337	7. ADMINISTERED BY (If other than Item 6) Same
--	---

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Orbital Sciences Corporation Technical Services Division ATTN: Jeff Heath 7500 Greenway Center Drive Ste. 700 Greenbelt, MD 20770	()	9A. AMENDMENT OF SOLICITATION NO.
		9b. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO: NNG15WA53C
CODE:	FACILITY CODE:	10B. DATED (SEE ITEM 13): 02-01-2015

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing items 8 and and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

TOTAL FUNDING: \$55,013,750.28 Total Estimated Cost : \$140,803,051.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR52.243.2-Changes-Cost-Reimbursement (AUG 1987)-Alternate V (APR 1984)
X	D. OTHER (Specify type of modification and authority) FAR52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject mater where feasible..)

- A. The total estimated contract value remains unchanged.**
- B. This modification is to update the CSBF Government Vehicles listing for the (NBOC) Contract**

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.



15A. NAME AND TITLED OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		Mickey M. Merritt	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY Original signed by	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	10/4/2016

CSBF VEHICLES

NASA #	Asset Name	Current Location (Code)	Person ID	Model #	Serial #	FSC MAN	Cost	Purch ase Date	FSC
3062	TRUCK SEMI TRACTOR MLV	FTS	ROBERTS	LT9000	1FTZU90R5M VA32305	FORD MOTOR	\$117,777.00	7/30/1991	2320
3306	TRUCK SEMI	FTS	ROBERTS	1986 DUAL AXLE	1WUGDEUE2 HN117123	VOLVO WHITE	\$3,500.00	2/3/1993	2320
3435	TRUCK, FORD RECOVERY	PSN	ROBERTS	LN8000	1FDYR82E6S VA35367	FORD	\$44,705.54	10/26/1994	2320
3721	TRUCK 3/4 TON	FTS	ROBERTS	CR20943	1GCGR23J3J J139474	CHEVROLET	\$8,151.99	5/19/1998	2320
3906	TRUCK, PICKUP	FTS	ROBERTS	1987	1B7FD14H8H S346886	DODGE	\$7,623.00	2/9/2000	2320
3908	TRUCK, PICKUP	BLDG 3	FRAME	1988 CC10703	1GDCD14Z6J Z229335	GM, CHEVROLET	\$4,169.00	2/9/2000	2320
3909	TRUCK, PICKUP	FLT OPS	ROBERTS	1988 CC10703	1GDCD14Z1J Z230361	GM, CHEVROLET	\$4,169.00	2/9/2000	2320
3978	TRUCK, RECOVERY	FTS	ROBERTS	FL80	1FV6J6BA7Y HG06691	FREIGHTLIN GER	\$47,555.00	2/13/2001	2320
4083	VAN	FTS	ROBERTS	G11405	1GNFG66R61 1214428	CHEVROLET GM	\$29,052.70	5/21/2002	2320
4292	TRUCK, PICKUP	BLDG 3	FRAME	RAM DR1L62	1D7HA16K13J 669168	CHRYSLER	\$15,700.00	10/14/2003	2320
4293	TRUCK, PICKUP	BLDG 4	ROBERTS	RAM DR1L62	1D7HA16K33J 669169	CHRYSLER	\$15,700.00	10/14/2003	2320
4464	TRUCK	BLDG 3	FRAME	CC15903	1GCEC14X05 Z126808	GM	\$13,450.00	2/9/2005	2320

FSC

NASA #	Asset Name	Current Location (Code)	Person ID	Model #	Serial #	FSC MAN	Cost	Purchase Date	FSC
4465	TRUCK	BLDG 3	ROBERTS	CC15903	1GCEC14X95 Z112017	GM	\$13,450.00	2/9/20 05	2320
5037	TRUCK, PICKUP	FTS	ROBERTS	F250	1FTSW21R69 EA14808	FORD	\$33,800.00	6/26/2 009	2320
5221	TRUCK PICKUP	BLDG 4	ROBERTS	F150	1FTMF1CW8 AKE70045	FORD	\$17,995.00	11/5/2 010	2320
5222	TRUCK PICKUP	BLDG 4	ROBERTS	F150	1FTMF1CWS AKE05461	FORD	\$17,995.00	11/5/2 010	2320
5330	TRUCK	BLDG 4	ROBERTS	F150	1FTNF1CFIC KD31429	FORD	\$20,750.00	5/24/2 012	2320
5579	RECOVERY TRUCK	FTS	ROBERTS	7300 SFA 4X4	3HAWBMMR9 HL754657	INTERNATIO NAL	\$231,413.97	9/12/2 016	2320

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAGE(S) 1 of 3
2. AMENDMENT/MODIFICATION NO. 25	3. EFFECTIVE DATE See Blk 16c	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)		
6. ISSUED BY NASA Goddard Space Flight Center Wallops Flight Facility Wallops Island, VA 23337		7. ADMINISTERED BY (If other than item 6) Same			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Orbital Sciences Corporation Technical Services Division ATTN: Jeff Heath 7500 Greenway Center Drive Ste. 700 Greenbelt, MD 20770		()	9A. AMENDMENT OF SOLICITATION NO.		
CODE:		FACILITY CODE:	X	9b. DATED (SEE ITEM 11)	
				10A. MODIFICATION OF CONTRACT/ORDER NO: NNG15WA53C	
				10B. DATED (SEE ITEM 13) 02-01-2015	
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
[] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.					
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter c telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FC THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. ACCOUNTING AND APPROPRIATION DATA (If required)					
TOTAL FUNDING: \$55,013,750.28 Total Estimated Cost : \$140,803,051.00					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in payin office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR52.243.2-Changes-Cost-Reimbursement (AUG 1987)-Alternate V (APR 1984)					
X	D. OTHER (Specify type of modification and authority) Bilateral - Federal Acquisition Regulation 1.108(d)(3) FAR Conventions				
E. IMPORTANT: Contractor [] is not, [X] is required to sign this document and return _____ copies to be issued office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject mater where feasible.					
1. The purpose of this modification is to replace Contract clause G.7 GSFC 52.216-103 Submission of Vouchers for Payment (JUN 2014) with NASA FAR Supplement (NFS) 1852.232-80 Submission of Voucher for Payment (SEP 2016). See page 2 for the full text of NFS 1852.232-80.					
2. This modification is done at no additional cost to the Government.					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLED OF SIGNER (Type or print) Jeffrey C. Heath, Director, Contracts			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Mickey M. Merritt		
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 10/24/2016	16B. UNITED STATES OF AMERICA Original signed by  (Signature of Contracting Officer)		16C. DATE SIGNED 10/24/2016	

Contract NNG15WA53C
Modification No. 25
Page 2 of 2

BLOCK 14 DESCRIPTION (CONTINUED)

G.7 1852.232-80 SUBMISSION OF VOUCHERS FOR PAYMENT (SEP 2016)

(a) The designated payment office is the NASA Shared Services Center (NSSC) located at FMD Accounts Payable, Bldg. 1111, Jerry Hlass Road, Stennis Space Center, MS 39529.

(b) Except for classified vouchers, the Contractor shall submit all vouchers electronically using the steps described at NSSC's Vendor Payment information web site at: <https://www.nssc.nasa.gov/vendorpayment>. Please contact the NSSC Customer Contact Center at 1-877-NSSC123 (1-877-677-2123) with any additional questions or comments.

(c) Payment requests.

(1) The payment periods designated in the payment clause(s) contained in this contract will begin on the date a proper request for payment is received by the NSSC payment office specified in paragraph (b) of this section. Vouchers shall be prepared in accordance with the guidance provided by the NSSC at the following

website: https://answers.nssc.nasa.gov/app/answers/detail/a_id/6643.

(2) Vouchers shall include the items delineated in FAR 32.905(b) supported by relevant back-up documentation. Back-up documentation shall include at a minimum, the following information:

(i) Breakdown of billed labor costs and associated contractor generated supporting documentation for billed direct labor costs to include rates used and number of hours incurred.

(ii) Breakdown of billed other direct costs (ODCs) and associated contractor generated supporting documentation for billed ODCs.

(iii) Indirect rate(s) used to calculate the amount of billed indirect expenses.

(d) Non-electronic payment. The Contractor may submit a voucher using other than the steps described at NSSC's Vendor Payment information through any of the means described at <https://www.nssc.nasa.gov/vendorpayment>, if any of the following conditions are met:

(1) The Contracting Officer administering the contract for payment has determined, in writing, that electronic submission would be unduly burdensome to the Contractor. In such cases, the Contractor shall include a copy of the Contracting Officer's determination with each request for payment when the Governmentwide commercial purchase card is used as the method of payment.

(2) The contract includes provisions allowing the contractor to submit vouchers using other than the steps prescribed at NSSC's Vendor Payment information website. In such instances the Contractor agrees to submit non-electronic payment requests using the method or methods specified in Section G of the contract.

(e) Improper vouchers. The NSSC Payment Office will notify the contractor of any apparent error, defect, or impropriety in a voucher within seven calendar days of receipt by the NSSC Payment Office. Inquiries regarding requests for payment should be directed to the NSSC as specified in paragraph (b) of this section.

(f) Other payment clauses. In addition to the requirements of this clause, the Contractor

shall meet the requirements of the appropriate payment clauses in this contract when submitting payment requests.

(g) In the event that amounts are withheld from payment in accordance with provisions of this contract, a separate payment request for the amount withheld will be required before payment for that amount may be made.

(End of clause)

3. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 25

AMENDMENT OF SOLICITATION, MODIFICATION OF CONTRACT

CONTRACT ID CODE

PAGE(S)
1 of 2

2. AMENDMENT/MODIFICATION NO. 26	3. EFFECTIVE DATE See Blk 16c	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)
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6. ISSUED BY NASA Goddard Space Flight Center Wallops Flight Facility Wallops Island, VA 23337	7. ADMINISTERED BY (If other than item 6) Same
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Orbital Sciences Corporation Technical Services Division ATTN: Jeff Heath 7500 Greenway Center Drive Ste. 700 Greenbelt, MD 20770	()	9A. AMENDMENT OF SOLICITATION NO.
		9b. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO: NNG15WA53C
CODE:	FACILITY CODE:	10B. DATED (SEE ITEM 13): 02-01-2015

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing Items 8 and and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

TOTAL FUNDING: \$59,213,750.28 Total Estimated Cost : \$140,803,051.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR52.243.2-Changes-Cost-Reimbursement (AUG 1987)-Alternate V (APR 1984)
X	D. OTHER (Specify type of modification and authority) FAR52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible..)

- A. The total estimated contract value remains unchanged.**
- B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC)**

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)
(Signature of person authorized to sign)			16C. DATE SIGNED 10/26/2016

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990) – obligate as follows:
PR # 4200606849:

CORE:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$44,284,916.08	\$4,200,000.00	\$48,484,916.08-BPO Support

2. Revise B.6 CPFF TASK ORDER FUNDING (No Change)

IDIQ:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$0	\$0	\$10,728,834.20 BPO IDIQ

3. Total obligated by this modification is \$4,200,000.00.

4. The period of allotment is from date this contract through December 31, 2016

5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 26

AMENDMENT OF SOLICITATION / MODIFICATION OF CONTRACT

I. CONTRACT ID CODE

PAGE(S)
1 of 2

2. AMENDMENT/MODIFICATION NO. 27	3. EFFECTIVE DATE See Blk 16c	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (if applicable)
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6. ISSUED BY NASA Goddard Space Flight Center Wallops Flight Facility Wallops Island, VA 23337	7. ADMINISTERED BY (if other than item 6) Same
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Orbital Sciences Corporation Technical Services Division ATTN: Jeff Heath 7500 Greenway Center Drive Ste. 700 Greenbelt, MD 20770	()	9A. AMENDMENT OF SOLICITATION NO.
		9b. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO: NNG15WA53C
CODE:	FACILITY CODE:	10B. DATED (SEE ITEM 13): 02-01-2015

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing items 8 and and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)

TOTAL FUNDING: \$66,247,480.53 Total Estimated Cost : \$140,803,051.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR52.243.2-Changes-Cost-Reimbursement (AUG 1987)-Alternate V (APR 1984)
X	D. OTHER (Specify type of modification and authority) FAR52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible..)

- A. The total estimated contract value remains unchanged.**
- B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC)**

Except as provided herein, all terms and conditions of the document referenced in Item 8A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA By Original signed by
(Signature of person authorized to sign)	(Signature of Contracting Officer)
15C. DATE SIGNED	16C. DATE SIGNED 12/19/2016

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990) – obligate as follows:
PR # 4200612022:

CORE:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$48,484,916.08	\$7,033,730.25	\$55,518,646.33-BPO Support

2. Revise B.6 CPFF TASK ORDER FUNDING (No Change)

IDIQ:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$0	\$0	\$10,728,834.20 BPO IDIQ

3. Total obligated by this modification is \$7,033,730.25

4. The period of allotment is from date this contract through February 28, 2017

5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 27

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE OF PAGES

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2. AMENDMENT/MODIFICATION NO. 000028
 3. EFFECTIVE DATE See Block 16C
 4. REQUISITION/PURCHASE REQ. NO. 4200614349
 5. PROJECT NO. (If applicable)

6. ISSUED BY CODE GSFC
 7. ADMINISTERED BY (If other than Item 6) CODE WFF

NASA/Goddard Space Flight Center
 Wallops Flight Facility
 Wallops Island VA 23337

NASA/Goddard Space Flight Center
 Wallops Flight Facility
 Wallops Island VA 23337-5099

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)

TECHNICAL SERVICES DIVISION
 Orbital Sciences Corporation
 7500 GREENWAY CENTER DR STE 1500
 GREENBELT MD 20770-3502

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

x 10A. MODIFICATION OF CONTRACT/ORDER NO. NNG15WA53C

10B. DATED (SEE ITEM 13)

CODE OSKU4 FACILITY CODE 11/13/2014

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended. is not extended.
 Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
 TOTAL FUNDING: \$66,262,680.53 Net Increase: \$15,200.00
 Total Estimated Cost: \$140,803,051.00

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE
 A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
 B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
 C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
 D. OTHER (Specify type of modification and authority)
 X FAR 52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor is not. is required to sign this document and return _____ 0 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

- A. The total estimated contract value remains unchanged.
- B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC).
 Payment Terms:
 Net 30 days
 FOB: Destination

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)
 15B. CONTRACTOR/OFFEROR
 15C. DATE SIGNED
 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
 Stephanie B. Bailey
 16B. UNITED STATES OF AMERICA
 16C. DATE SIGNED
 01/24/2017

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990)) – (No Change):

CORE:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$0	\$0	\$55,518,646.33 BPO Support

2. Revise B.6 CPFF TASK ORDER FUNDING – obligate as follows (PR #4200614349):

IDIQ:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$10,728,834.20	\$15,200.00	\$10,744,034.20 BPO IDIQ

3. Total obligated by this modification is \$15,200.00

4. The period of allotment is from date this contract through February 28, 2017

5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 28

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 000029		3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 4200615471	5. PROJECT NO. (If applicable)
6. ISSUED BY NASA/Goddard Space Flight Center Wallops Flight Facility Wallops Island VA 23337	CODE GSFC	7. ADMINISTERED BY (If other than item 6) NASA/Goddard Space Flight Center Wallops Flight Facility Wallops Island VA 23337-5099		

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) TECHNICAL SERVICES DIVISION Orbital Sciences Corporation 7500 GREENWAY CENTER DR STE 1500 GREENBELT MD 20770-3502		9A. AMENDMENT OF SOLICITATION NO. (x)
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9B. DATED (SEE ITEM 11)	10A. MODIFICATION OF CONTRACT/ORDER NO. NNG15WA53C
10B. DATED (SEE ITEM 13) 11/13/2014	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended. is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

TOTAL FUNDING: \$66,281,965.55 Total Estimated Cost: \$140,803,051.00 Net Increase: \$19,285.02

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) FAR 52.232.22 LIMITATION OF FUNDS (APR 1984)

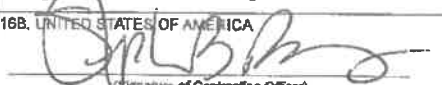
E. IMPORTANT: Contractor is not is required to sign this document and return _____ 0 _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

A. The total estimated contract value remains unchanged.

B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC).
Payment Terms:
Net 30 days
FOB: Destination

Except as provided herein, all terms and conditions of the document referenced in item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Stephanie B. Bailey
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED
16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 02/14/2017

1. Revise Article B.4 CONTRACT FUNDING (1852.232-81 (JUN 1990)) –obligate as follows (PR #4200615471):

CORE:

<u>FROM</u>	<u>BY</u>	<u>TO</u>	
\$55,518,646.33	\$4,285.02	\$55,522,931.35	BPO Support

2. Revise B.6 CPFF TASK ORDER FUNDING – obligate as follows (PR #4200615471):

IDIQ:

<u>FROM</u>	<u>BY</u>	<u>TO</u>	
\$10,744,034.20	\$15,000.00	\$10,759,034.20	BPO IDIQ

3. Total obligated by this modification is \$19,285.02

4. The period of allotment is from date this contract through February 28, 2017

5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 29

AMENDMENT OF SOLICITATION / MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
PAGE(S)
1 of 2

2. AMENDMENT/MODIFICATION NO. **30**
3. EFFECTIVE DATE **See Blk 16c**
4. REQUISITION/PURCHASE REQ. NO. **N/A**
5. PROJECT NO. (if applicable)

6. ISSUED BY
**NASA
Goddard Space Flight Center
Wallops Flight Facility
Wallops Island, VA 23337**

7. ADMINISTERED BY (if other than Item 6)
Same

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)
**Orbital Sciences Corporation
Technical Services Division
ATTN: Jeff Heath
7500 Greenway Center Drive Ste. 700
Greenbelt, MD 20770**

9A. AMENDMENT OF SOLICITATION NO.
()

9b. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO: **NNG15WA53C**

10B. DATED (SEE ITEM 13):
02-01-2015

CODE: FACILITY CODE:

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing items 8 and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)

TOTAL FUNDING: \$66,235,363.55 Total Estimated Cost : \$140,803,051.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR52.243.2-Changes-Cost-Reimbursement (AUG 1987)-Alternate V (APR 1984)

X D. OTHER (Specify type of modification and authority)
FAR52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

A. The total estimated contract value remains unchanged.

B. This modification is issued to de-obligate contract funding for the NASA Balloon Operations Contract (NBOC)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		Mickey M. Merritt	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY Original signed by	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	4/11/2017

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990)) – obligate as follows:

CORE: No Change

<u>FROM</u>	<u>BY</u>	<u>TO</u>
		\$55,522,931.35 BPO Support

2. Revise B.6 CPFF TASK ORDER FUNDING De-Obligate 4200569981

IDIQ:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$10,759,034.20	-\$46,602.00	\$10,712,432.30 LDSO IDIQ

3. Total de-obligated by this modification is- \$46,602.00

4. The period of allotment is from date this contract through March 28, 2017

5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 30

AMENDMENT OF SOLICITATION / MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
PAGE(S)
1 of 2

2. AMENDMENT/MODIFICATION NO. **31**
3. EFFECTIVE DATE **See Blk 16c**
4. REQUISITION/PURCHASE REQ. NO. **N/A**
5. PROJECT NO. (if applicable)

6. ISSUED BY
**NASA
Goddard Space Flight Center
Wallops Flight Facility
Wallops Island, VA 23337**

7. ADMINISTERED BY (if other than Item 6)
Same

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)
**Orbital Sciences Corporation
Technical Services Division
ATTN: Jeff Heath
7500 Greenway Center Drive Ste. 700
Greenbelt, MD 20770**

9A. AMENDMENT OF SOLICITATION NO.
()

9b. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO: **NNG15WA53C**

10B. DATED (SEE ITEM 13):
02-01-2015

CODE: FACILITY CODE:

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing Items 8 and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)
TOTAL FUNDING: \$70,674,617.88 Total Estimated Cost : \$140,803,051.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR52.243.2-Changes-Cost-Reimbursement (AUG 1987)-Alternate V (APR 1984)

X D. OTHER (Specify type of modification and authority)
FAR52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject mater where feasible..)

- A. The total estimated contract value remains unchanged.**
- B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC)**

Except as provided herein, all terms and conditions of the document referenced in Item 8A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print)
16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
Mickey M. Merritt

15B. CONTRACTOR/OFFEROR
UNITED STATES OF AMERICA
By Original signed by
(Signature of person authorized to sign)

15C. DATE SIGNED
16C. DATE SIGNED
5/15/2017
(Signature of Contracting Officer)

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990)) – obligate 420062632 as follows:

CORE: No Change

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$55,522,931.35	\$2,204,754.33	\$ 57,727,685.68 BPO Support
\$57,727,685.68	\$2,200,000.00	\$ 59,927,685.68 BPO Support Aircraft

2. Revise B.6 CPFF TASK ORDER FUNDING- Obligate 4200626032

IDIQ:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$10,712,432.20	\$34,500.00	\$10,746,932.20 IDIQ-Task 12

3. Total obligated by this modification is \$4,439,254.33

4. The period of allotment is from date this contract through July 31, 2017.

5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 31

AMENDMENT OF SOLICITATION . MODIFICATION OF CONTRACT

1. CONTRACT ID CODE PAGE(S)
1 of 2

2. AMENDMENT/MODIFICATION NO. 32
3. EFFECTIVE DATE See Blk 16c
4. REQUISITION/PURCHASE REQ. NO. N/A
5. PROJECT NO. (If applicable)

6. ISSUED BY
NASA
Goddard Space Flight Center
Wallops Flight Facility
Wallops Island, VA 23337
7. ADMINISTERED BY (If other than Item 6)
Same

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)
Orbital Sciences Corporation
Technical Services Division
ATTN: Jeff Heath
7500 Greenway Center Drive Ste. 700
Greenbelt, MD 20770
9A. AMENDMENT OF SOLICITATION NO.
9b. DATED (SEE ITEM 11)
10A. MODIFICATION OF CONTRACT/ORDER NO: NNG15WA53C
10B. DATED (SEE ITEM 13): 02-01-2015

CODE: FACILITY CODE:
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS
[] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing items 8 and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

TOTAL FUNDING: \$75,674,617.88 Total Estimated Cost : \$140,803,051.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR52.243.2-Changes-Cost-Reimbursement (AUG 1987)-Alternate V (APR 1984)
X D. OTHER (Specify type of modification and authority)
FAR52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject mater where feasible..

- A. The total estimated contract value remains unchanged.
- B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC)

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print)
15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)
15C. DATE SIGNED
16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
Mickey M. Merritt
16B. UNITED STATES OF AMERICA
BY Original signed by
(Signature of Contracting Officer)
16C. DATE SIGNED
6/14/2017

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990)) – obligate 4200629235 as follows:

CORE:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$ 59,927,685.68	\$5,000,000.00	\$64,927,685.68 BPO Support

2. Revise B.6 CPFF TASK ORDER FUNDING-

IDIQ: NO Change

3. Total obligated by this modification is \$5,000,000.00

4. The period of allotment is from date this contract through August 31, 2017.

5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 32

AMENDMENT OF SOLICITATION / MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
PAGE(S)
1 of 2

2. AMENDMENT/MODIFICATION NO. 33
3. EFFECTIVE DATE See Blk 16c
4. REQUISITION/PURCHASE REQ. NO. N/A
5. PROJECT NO. (if applicable)

6. ISSUED BY
NASA
Goddard Space Flight Center
Wallops Flight Facility
Wallops Island, VA 23337
7. ADMINISTERED BY (if other than item 6)
Same

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)
Orbital Sciences Corporation
Technical Services Division
ATTN: Jeff Heath
7500 Greenway Center Drive Ste. 700
Greenbelt, MD 20770
9A. AMENDMENT OF SOLICITATION NO.

9b. DATED (SEE ITEM 11)
10A. MODIFICATION OF CONTRACT/ORDER NO: NNG15WA53C
10B. DATED (SEE ITEM 13): 02-01-2015
CODE: FACILITY CODE: X

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing items 8 and and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)

TOTAL FUNDING: \$79,774,617.88 Total Estimated Cost : \$140,803,051.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR52.243.2-Changes-Cost-Reimbursement (AUG 1987)-Alternate V (APR 1984)
X D. OTHER (Specify type of modification and authority)
FAR52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject mater where feasible..)

- A. The total estimated contract value remains unchanged.
- B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print)
16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
Mickey M. Merritt
15B. CONTRACTOR/OFFEROR
15C. DATE SIGNED
16B. UNITED STATES OF AMERICA BY Original signed by
(Signature of Contracting Officer)
16C. DATE SIGNED
7/13/2017
(Signature of person authorized to sign)

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990)) – obligate 4200631626 as follows:

CORE:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$64,927,685.68	\$4,100,000.00	\$69,027,685.68 BPO Support

2. Revise B.6 CPFF TASK ORDER FUNDING-

IDIQ: NO Change

3. Total obligated by this modification is \$4,100,000.00

4. The period of allotment is from date this contract through September 30, 2017.

5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 33

AMENDMENT OF SOLICITATION . . . MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE(S)
1 of 2

2. AMENDMENT/MODIFICATION NO.
34

3. EFFECTIVE DATE
See Blk 16c

4. REQUISITION/PURCHASE REQ. NO.
N/A

5. PROJECT NO. (if applicable)

6. ISSUED BY

NASA
Goddard Space Flight Center
Wallops Flight Facility
Wallops Island, VA 23337

7. ADMINISTERED BY (if other than Item 6)

Same

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)

Orbital Sciences Corporation
Technical Services Division
ATTN: Jeff Heath
7500 Greenway Center Drive Ste. 700
Greenbelt, MD 20770

()

9A. AMENDMENT OF SOLICITATION NO.

9b. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER
NO: NNG15WA53C

X

10B. DATED (SEE ITEM 13):
02-01-2015

CODE:

FACILITY CODE:

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing Items 8 and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)

TOTAL FUNDING: \$82,096,514.44 Total Estimated Cost : \$140,803,051.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR52.243.2-Changes-Cost-Reimbursement (AUG 1987)-Alternate V (APR 1984)
X	D. OTHER (Specify type of modification and authority) FAR52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject mater where feasible..)

- A. The total estimated contract value remains unchanged.
- B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print)

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

16B. CONTRACTOR/OFFEROR

15C. DATE SIGNED

Mickey M. Merritt
16B. UNITED STATES OF AMERICA
BY Original signed by

16C. DATE SIGNED

(Signature of person authorized to sign)

(Signature of Contracting Officer)

9/11/17

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990)) – obligate 420063881 as follows:

CORE:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$69,027,685.68	\$2,321,896.56	\$71,349,582.24 BPO Support

2. Revise B.6 CPFF TASK ORDER FUNDING-

IDIQ: NO Change

3. Total obligated by this modification is \$2,321,896.56

4. The period of allotment is from date this contract through November 1, 2017.

5. No other changes to this contract are made by issuance of this modification.

5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 34

AMENDMENT OF SOLICITATION / MODIFICATION OF CONTRACT

CONTRACT ID CODE

PAGE(S)
1 of 2

2. AMENDMENT/MODIFICATION NO. 35
 3. EFFECTIVE DATE See Blk 16c
 4. REQUISITION/PURCHASE REQ. NO. N/A
 5. PROJECT NO. (If applicable)

6. ISSUED BY
NASA
Goddard Space Flight Center
Wallops Flight Facility
Wallops Island, VA 23337

7. ADMINISTERED BY (If other than Item 6)
Same

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)
Orbital Sciences Corporation
Technical Services Division
ATTN: Jeff Heath
7500 Greenway Center Drive Ste. 700
Greenbelt, MD 20770

9A. AMENDMENT OF SOLICITATION NO.
 9b. DATED (SEE ITEM 11)
 10A. MODIFICATION OF CONTRACT/ORDER NO: **NNG15WA53C**
 10B. DATED (SEE ITEM 13): **02-01-2015**

CODE: FACILITY CODE:

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing Items 8 and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

TOTAL FUNDING: \$88,096,514.44 Total Estimated Cost : \$140,803,051.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR52.243.2-Changes-Cost-Reimbursement (AUG 1987)-Alternate V (APR 1984)

X D. OTHER (Specify type of modification and authority)
FAR52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject mater where feasible..)

- A. The total estimated contract value remains unchanged.**
- B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC)**

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print)
 15B. CONTRACTOR/OFFEROR
 15C. DATE SIGNED
 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
Mickey M. Merritt
 16B. UNITED STATES OF AMERICA
 Original signed by
 (Signature of Contracting Officer)
 16C. DATE SIGNED
 10/18/2017

NSN 7540-01-152-8070

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990)) – obligate 4200643775 as follows:

CORE:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$71,349,582.24	\$4,714,572.69	\$76,064,154.93 BPO Support

2. Revise B.6 CPFF TASK ORDER FUNDING- 4200643775

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$10,746,932.20	\$1,285,427.31	\$12,032,359.51 BPO IDIQ

3. Total obligated by this modification is \$6,000,000.00

4. The period of allotment is from date this contract through December 8, 2017.

5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 35

AMENDMENT OF SOLICITATION ... MODIFICATION OF CONTRACT

CONTRACT ID CODE

PAGE(S)
1 of 2

2. AMENDMENT/MODIFICATION NO. 36	3. EFFECTIVE DATE See Blk 16c	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (if applicable)
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6. ISSUED BY NASA Goddard Space Flight Center Wallops Flight Facility Wallops Island, VA 23337	7. ADMINISTERED BY (if other than Item 6) Same
--	---

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Orbital Sciences Corporation Technical Services Division ATTN: Jeff Heath 7500 Greenway Center Drive Ste. 700 Greenbelt, MD 20770	()	9A. AMENDMENT OF SOLICITATION NO.
		9b. DATED (SEE ITEM 11)
		10A. MODIFICATION OF CONTRACT/ORDER NO: NNG15WA53C
		10B. DATED (SEE ITEM 13): 02-01-2015
CODE:	FACILITY CODE:	X

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [] is extended. [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing Items 8 and and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)

TOTAL FUNDING: \$88,396,514.44 Total Estimated Cost : \$140,803,051.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR52.243.2-Changes-Cost-Reimbursement (AUG 1987)-Alternate V (APR 1984)
X	D. OTHER (Specify type of modification and authority) FAR52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject mater where feasible..

- A. The total estimated contract value remains unchanged.**
- B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC)**

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Miskey M. Merritt
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA By Original Signed by
15C. DATE SIGNED	16C. DATE SIGNED 11/15/2017
(Signature of person authorized to sign)	(Signature of Contracting Officer)

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990)) – obligate 4200646632 as follows:

CORE:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$ 76,064,154.93	\$300,000.00	\$76,364,154.93 BPO Support- Aircraft

2. Revise B.6 CPFF TASK ORDER FUNDING-

<u>FROM</u>	<u>BY</u>	<u>TO</u>
No Change		

3. Total obligated by this modification is \$300,000.00

4. The period of allotment is from date this contract through December 8, 2017.

5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 36

AMENDMENT OF SOLICITATION / MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAGE(S) 1 of 2
2. AMENDMENT/MODIFICATION NO. 37	3. EFFECTIVE DATE See Blk 16c	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)		
6. ISSUED BY NASA Goddard Space Flight Center Wallops Flight Facility Wallops Island, VA 23337			7. ADMINISTERED BY (If other than Item 6) Same		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Orbital Sciences Corporation Technical Services Division ATTN: Jeff Heath 7500 Greenway Center Drive Ste. 700 Greenbelt, MD 20770			()	9A. AMENDMENT OF SOLICITATION NO.	
CODE:			X	9b. DATED (SEE ITEM 11)	
FACILITY CODE:				10A. MODIFICATION OF CONTRACT/ORDER No: NNG15WA53C	
				10B. DATED (SEE ITEM 13): 02-01-2015	
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					

[] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing Items 8 and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

TOTAL FUNDING: \$88,396,514.44 Total Estimated Cost : \$140,803,051.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR52.243.2-Changes-Cost-Reimbursement (AUG 1987)-Alternate V (APR 1984)
X	D. OTHER (Specify type of modification and authority) FAR52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible..

A. The total estimated contract value remains unchanged.

B. This modification is issued to de-obligate contract funding for the NASA Balloon Operations Contract (NBOC)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		Mickey M Merritt	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY Original signed by	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	11/22/2017

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990)) –de obligate 4200646632 as follows:

CORE:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$ 76,064,154.93	- \$300,000.00	\$76,064,154.93 BPO Support- Aircraft

2. Revise B.6 CPFF TASK ORDER FUNDING-

<u>FROM</u>	<u>BY</u>	<u>TO</u>
No Change		

3. Total deobligated by this modification is \$300,000.00

4. The period of allotment is from date this contract through December 8, 2017.

5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 37

AMENDMENT OF SOLICITATION / MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE(S) 1 of 2
2. AMENDMENT/MODIFICATION NO. 38	3. EFFECTIVE DATE See Blk 16c	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)
6. ISSUED BY NASA Goddard Space Flight Center Wallops Flight Facility Wallops Island, VA 23337		7. ADMINISTERED BY (If other than Item 6) Same	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Orbital Sciences Corporation Technical Services Division ATTN: Jeff Heath 7500 Greenway Center Drive Ste. 700 Greenbelt, MD 20770		()	9A. AMENDMENT OF SOLICITATION NO.
CODE:		X	9b. DATED (SEE ITEM 11)
FACILITY CODE:			10A. MODIFICATION OF CONTRACT/ORDER NO: NNG15WA53C
			10B. DATED (SEE ITEM 13): 02-01-2015
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS			

[] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing items 8 and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

TOTAL FUNDING: \$88,396,514.44 Total Estimated Cost : \$140,803,051.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR52.243.2-Changes-Cost-Reimbursement (AUG 1987)-Alternate V (APR 1984)
X	D. OTHER (Specify type of modification and authority) FAR52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject mater where feasible..)

A. The total estimated contract value remains unchanged.

B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		Mickey M. Merritt	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY Original signed by	16C. DATE SIGNE 12/5/2017
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990)) obligate 4200647652 as follows:

CORE:

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$ 76,064,154.93	\$300,000.00	\$76,364,154.93 BPO Support- Aircraft

2. Revise B.6 CPFF TASK ORDER FUNDING-

<u>FROM</u>	<u>BY</u>	<u>TO</u>
No Change		

3. Total obligated by this modification is \$300,000.00

4. The period of allotment is from date this contract through December 8, 2017.

5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 38

AMENDMENT OF SOLICITATION / MODIFICATION OF CONTRACT

1. CONTRACT ID CODE: _____ PAGE(S) 1 of 2
 2. AMENDMENT/MODIFICATION NO. 39
 3. EFFECTIVE DATE See Blk 16c
 4. REQUISITION/PURCHASE REQ. NO. N/A
 5. PROJECT NO. (If applicable) _____

6. ISSUED BY
NASA
Goddard Space Flight Center
Wallops Flight Facility
Wallops Island, VA 23337

7. ADMINISTERED BY (If other than Item 6)
Same

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)
Orbital Sciences Corporation
Technical Services Division
ATTN: Jeff Heath
7500 Greenway Center Drive Ste. 700
Greenbelt, MD 20770

()

9A. AMENDMENT OF SOLICITATION NO.

9b. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO: **NNG15WA53C**

X

10B. DATED (SEE ITEM 13): **02-01-2015**

CODE: _____ FACILITY CODE: _____

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing items 8 and and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

TOTAL FUNDING: \$90,896,514.44 Total Estimated Cost : \$140,803,051.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

- A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
- B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
- C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR52.243.2-Changes-Cost-Reimbursement (AUG 1987)-Alternate V (APR 1984)
- X D. OTHER (Specify type of modification and authority)
FAR52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject mater where feasible..)

- A. The total estimated contract value remains unchanged.**
- B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC)**

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print) _____ 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) **Mickey M. Merritt**

15B. CONTRACTOR/OFFEROR _____ 15C. DATE SIGNED _____ 16B. UNITED STATES OF AMERICA By Original signed by _____ 16C. DATE SIGNED **12/15/2017**

(Signature of person authorized to sign) _____ (Signature of Contracting Officer) _____

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990) obligate 4200649234 as follows:

CORE:

<u>FROM</u>	<u>BY</u>	<u>TO</u>	
\$76,364,154.93	\$200,000.00	\$76,564,154.93	BPO Support- Aircraft
\$76,564,154.93	\$2,000,000.00	\$78,564,154.93	BPO Core Support

2. Revise B.6 CPFF TASK ORDER FUNDING-

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$12,032,359.51	\$300,000.00	\$12,332,359.51

3. Total obligated by this modification is \$2,500,000.00
4. The period of allotment is from date this contract through January 31, 2018.
5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 39

AMENDMENT OF SOLICITATION / MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE(S)
1 of 2

2. AMENDMENT/MODIFICATION NO. **40** 3. EFFECTIVE DATE **See Blk 16c** 4. REQUISITION/PURCHASE REQ. NO. **N/A** 5. PROJECT NO. (If applicable)

6. ISSUED BY
**NASA
Goddard Space Flight Center
Wallops Flight Facility
Wallops Island, VA 23337**

7. ADMINISTERED BY (If other than Item 6)
Same

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)
**Orbital Sciences Corporation
Technical Services Division
ATTN: Jeff Heath
7500 Greenway Center Drive Ste. 700
Greenbelt, MD 20770**

9A. AMENDMENT OF SOLICITATION NO.

9b. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO: **NNG15WA53C**

10B. DATED (SEE ITEM 13): **02-01-2015**

CODE: FACILITY CODE:

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing items 8 and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

TOTAL FUNDING: \$94,979,527.48 Total Estimated Cost : \$140,803,051.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR52.243.2-Changes-Cost-Reimbursement (AUG 1987)-Alternate V (APR 1984)

X D. OTHER (Specify type of modification and authority)
FAR52.232.22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible..

- A. The total estimated contract value remains unchanged.**
- B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC)**

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print) 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

15B. CONTRACTOR/OFFEROR 15C. DATE SIGNED 16B. UNITED STATES OF AMERICA 16C. DATE SIGNED

(Signature of person authorized to sign) (Signature of Contracting Officer)

NSN 7540-01-152-8070

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990)) obligate 4200649234 as follows:

CORE:

<u>FROM</u>	<u>BY</u>	<u>TO</u>	
\$78,564,154.93	\$ 500,000.00	\$ 79,064,154.93	BPO Support- Aircraft
\$79,064,154.93	\$3,083,013.04	\$82,147,167.97	BPO Core Support

2. Revise B.6 CPFF TASK ORDER FUNDING-

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$12,332,359.51	\$500,000.00	\$12,832,359.51

3. Total obligated by this modification is \$4,083,013.04

4. The period of allotment is from date this contract through February 28, 2018.

5. No other changes to this contract are made by issuance of this modification.

END MODIFICATION NO. 40

AMENDMENT OF SOLICITATION / MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE(S)
1 of 2

2. AMENDMENT/MODIFICATION NO. **41** 3. EFFECTIVE DATE **See Blk 16c** 4. REQUISITION/PURCHASE REQ. NO. **N/A** 5. PROJECT NO. (If applicable)

6. ISSUED BY
**NASA
Goddard Space Flight Center
Wallops Flight Facility
Wallops Island, VA 23337**

7. ADMINISTERED BY (If other than item 6)
Same

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)
**Orbital Sciences Corporation
Technical Services Division
ATTN: Jeff Heath
7500 Greenway Center Drive Ste. 700
Greenbelt, MD 20770**

9A. AMENDMENT OF SOLICITATION NO.

9b. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO: **NNG15WA53C**

10B. DATED (SEE ITEM 13):
02-01-2015

CODE: FACILITY CODE:

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[] The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers [] is extended, [] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or a amended, by one of the following methods: (a) By completing items 8 and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFER PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APROPRIATION DATA (If required)

TOTAL FUNDING: \$96,979,527.48 Total Estimated Cost : \$140,803,051.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.


- A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
 - B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pay office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 42.103(b).
 - C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR52.243.2-Changes-Cost-Reimbursement (AUG 1987)-Alternate V (APR 1984)
 - X** D. OTHER (Specify type of modification and authority)
FAR52.232.22 LIMITATION OF FUNDS (APR 1984)
- E. IMPORTANT:** Contractor [X] is not, [] is required to sign this document and return _____ copies to be issued office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject mater where feasible..

- A. The total estimated contract value remains unchanged.**
- B. This modification is issued to obligate contract funding for the NASA Balloon Operations Contract (NBOC)**

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLED OF SIGNER (Type or print) 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
Mickey M. Merritt

15B. CONTRACTOR/OFFEROR 15C. DATE SIGNED 16B. UNITED STATES OF AMERICA
BY Original signed by  16C. DATE SIGNED
(Signature of person authorized to sign) (Signature of Contracting Officer) **01/31/2018**

1. Revise Article B.4 CONTRACT FUNDING (18-52.232-81 (JUN 1990)) obligate 4200652842 as follows:

CORE:

<u>FROM</u>	<u>BY</u>	<u>TO</u>	
\$ 82,147,167.97	\$2,000,000.00	\$84,147,167.97	BPO Core Support

2. Revise B.6 CPFF TASK ORDER FUNDING-

<u>FROM</u>	<u>BY</u>	<u>TO</u>
\$ 12,832,359.51	No Change	

3. Total obligated by this modification is \$2,000,000.00

4. The period of allotment is from date this contract through March 15, 2018.

5. No other changes to this contract are made by issuance of this modification.