SMSR INTEGRATED MASTER SCHEDULE June 7, 2021

Legend
Delegated SMSA
Chaired by HQ
Informational Briefing

		MILESTONES			LAUNCH SITE		
MISSION TASK NAME	Pre-SMSR	SMSR/SMSA	LAUNCH OR OPS	LAUNCH VEHICLE	OR RETURN SITE	CHAIR	SMA REP.

3P	TBD	6/23/2021	6/29/2021	Soyuz	Kazakhstan	JSC	GW
omments: SORR: <mark>6/21/2021</mark> (S	ource: CoFR Matrix	dated 5/13/2021)					
		,					
BR (MLM)	TBD	6/23/2021	7/15/2021	Proton M	Kazakhstan	HQ	GW
C omments: SORR: <mark>6/21/2021</mark> ; F.	RR: <mark>7/1/2021</mark> (Sourc	ce: CoFR Matrix dated 5/1	3/2021)	u.	"		"
77P Disposal	TBD	6/23/2021	Undock	N/A	South Pacific Ocean	JSC	GW
Carran and a CODD (/21/2021 (C	C-ED M-4-i	1-4-15/12/2021)	7/17/2021				
Comments: SORR: <mark>6/21/2021</mark> (S	ource: Cofk Matrix	dated 5/13/2021)					
Boeing-OFT2 (Uncrewed)	2/11/2021	7/20/2021	7/30/2021	Atlas V N22	CCAFS	шо	RG
Boeing-OF 12 (Uncrewea)	2/11/2021	//20/2021	7/30/2021	Atlas v N22	CCAFS	HQ	KG
Comments: SORR: <mark>6/28/2021</mark> ; F	RR: <mark>7/22/2021</mark> (Sou	urce: CoFR Matrix dated 5	5/13/2021)	"		"	"
Northrup Grumman-16	TBD	TBD	8/1/2021	Antares 230+	Wallops	JSC	GW
Comments: CORD 7/15/2001 (C	ouman C-ED M	dated 5/12/2021)					
Comments: SORR: 7/15/2021 (S	ource: COFK Matrix	uated 5/15/2021)					
CV 22	TDD	TDD	0/40/004	False O	CCAEG	ICC	CITY
SpaceX-23	TBD	TBD	8/18/2021	Falcon 9	CCAFS	JSC	GW
Comments: SORR: 7/19/2021 (S	ource: CoFR Matrix	dated 5/13/2021)	Ш				
Landsat-9	TBD	8/4/2021	9/16/2021	Atlas V-401	VAFB	HQ	PP/GL
65S	TBD	TBD	10/5/2021	Soyuz	Kazakhstan	HQ	GW
Comments: SORR: 9/23/2021; F	RR: 9/28/2021 (Sour	rce: CoFR matrix dated 2/	18/2021)	"	"	"	"
Lucy	TBD	9/13/2021	10/16/2021	Atlas V-401	CCAFS	HQ	PP/GL
Comments: Lucy will explore six	Trojan asteroids, a	unique family of asteroids	that orbit the Sun in fi	ont of and behind Jupiter.	(Source: LSP Milestone Review	Schedule dated	d 2/6/2020)
Comments: Lucy will explore six	TBD	unique family of asteroids	Undock 10/17/2021				
Comments: Lucy will explore six	TBD	unique family of asteroids	Undock 10/17/2021	ont of and behind Jupiter.	(Source: LSP Milestone Review	Schedule dated	d 2/6/2020)
Comments: Lucy will explore six	TBD	unique family of asteroids	Undock 10/17/2021	ont of and behind Jupiter.	(Source: LSP Milestone Review	Schedule dated	d 2/6/2020)
Comments: Lucy will explore six 64S Return Comments: SORR: 9/23/2021; F.	TBD	unique family of asteroids	Undock 10/17/2021	ont of and behind Jupiter.	(Source: LSP Milestone Review Kazakhstan	Schedule dated	d 2/6/2020)
Comments: Lucy will explore six 64S Return Comments: SORR: 9/23/2021; F.	TBD RR: 9/28/2021 (Sou	unique family of asteroids TBD rce: CoFR Matrix dated 2/	Undock 10/17/2021 /18/2021)	ont of and behind Jupiter.	(Source: LSP Milestone Review	Schedule dated	d 2/6/2020)
Comments: Lucy will explore six 64S Return Comments: SORR: 9/23/2021; F.	TBD RR: 9/28/2021 (Sou	unique family of asteroids TBD rce: CoFR Matrix dated 2/	Undock 10/17/2021 /18/2021)	ront of and behind Jupiter. N/A	(Source: LSP Milestone Review Kazakhstan	P Schedule dated	GW
Comments: Lucy will explore six 64S Return Comments: SORR: 9/23/2021; F.	TBD RR: 9/28/2021 (Sou	unique family of asteroids TBD rce: CoFR Matrix dated 2/	Undock 10/17/2021 /18/2021)	ront of and behind Jupiter. N/A	(Source: LSP Milestone Review Kazakhstan	P Schedule dated	GW
Comments: Lucy will explore six 64S Return Comments: SORR: 9/23/2021; F. SpaceX Crew 3 Comments: SORR: 9/30/2021; F.	TBD RR: 9/28/2021 (Sour	TBD rce: CoFR Matrix dated 2/	Undock 10/17/2021 /18/2021) 10/23/2021 5/11/2021)	ont of and behind Jupiter. N/A Falcon 9	Kazakhstan KSC	HQ	GW RG
Comments: Lucy will explore six 64S Return Comments: SORR: 9/23/2021; F. SpaceX Crew 3 Comments: SORR: 9/30/2021; F.	TBD RR: 9/28/2021 (Sou	unique family of asteroids TBD rce: CoFR Matrix dated 2/	Undock 10/17/2021 /18/2021)	ront of and behind Jupiter. N/A	(Source: LSP Milestone Review Kazakhstan	P Schedule dated	GW
Comments: Lucy will explore six 64S Return Comments: SORR: 9/23/2021; F. SpaceX Crew 3 Comments: SORR: 9/30/2021; F.	TBD TBD TBD TBD TBD TBD TBD TBD	TBD TBD TBD TBD TBD TBD TBD TBD	Undock 10/17/2021 /18/2021) 10/23/2021 5/11/2021)	ont of and behind Jupiter. N/A Falcon 9	Kazakhstan KSC	HQ	GW RG
Comments: Lucy will explore six 64S Return Comments: SORR: 9/23/2021; F. SpaceX Crew 3 Comments: SORR: 9/30/2021; F.	TBD TBD TBD TBD TBD TBD TBD TBD	TBD TBD TBD TBD TBD TBD TBD TBD	Undock 10/17/2021 /18/2021) 10/23/2021 5/11/2021)	ont of and behind Jupiter. N/A Falcon 9	Kazakhstan KSC	HQ	GW RG
Comments: Lucy will explore six 64S Return Comments: SORR: 9/23/2021; F. SpaceX Crew 3 Comments: SORR: 9/30/2021; F.	TBD TBD TBD TBD TBD TBD TBD TBD	TBD TBD TBD TBD TBD TBD TBD TBD	Undock 10/17/2021 /18/2021) 10/23/2021 5/11/2021)	ont of and behind Jupiter. N/A Falcon 9	Kazakhstan KSC	HQ	GW RG
Comments: Lucy will explore six 64S Return Comments: SORR: 9/23/2021; F. SpaceX Crew 3 Comments: SORR: 9/30/2021; F.	TBD TBD TRR: 9/28/2021 (South	TBD TBD TBD TBD TBD TBD TBD TBD	Undock 10/17/2021 18/2021) 10/23/2021 5/11/2021)	N/A Falcon 9 Soyuz	(Source: LSP Milestone Review Kazakhstan KSC Kazakhstan	HQ HQ JSC	GW GW
Comments: Lucy will explore six 64S Return Comments: SORR: 9/23/2021; F: SpaceX Crew 3 Comments: SORR: 9/30/2021; F: 79P Comments: SORR: 10/7/2021 (S	TBD TBD TBD TBD TBD TBD TBD TBD	TBD TBD TBD TBD TBD TBD TBD TBD	Undock 10/17/2021 /18/2021) 10/23/2021 5/11/2021)	ont of and behind Jupiter. N/A Falcon 9	Kazakhstan KSC	HQ	GW RG
Comments: Lucy will explore six 64S Return Comments: SORR: 9/23/2021; F. SpaceX Crew 3 Comments: SORR: 9/30/2021; F. 79P Comments: SORR: 10/7/2021 (S. James Webb Space Telescope (JWST) Comments: JWST will peer through	TBD TBD TBD TRR: 9/28/2021 (Sou TBD	TBD TBD TBD TBD TBD TBD TBD TBD	Undock 10/17/2021 /18/2021) 10/23/2021 5/11/2021)	ront of and behind Jupiter. N/A Falcon 9 Soyuz Ariane V	(Source: LSP Milestone Review Kazakhstan KSC Kazakhstan Kourou	HQ HQ HQ	GW RG PP/GL
Comments: Lucy will explore six 64S Return Comments: SORR: 9/23/2021; F. SpaceX Crew 3 Comments: SORR: 9/30/2021; F. 79P Comments: SORR: 10/7/2021 (S. James Webb Space Telescope (JWST) Comments: JWST will peer through	TBD TBD TBD TRR: 9/28/2021 (Sou TBD	TBD TBD TBD TBD TBD TBD TBD TBD	Undock 10/17/2021 /18/2021) 10/23/2021 5/11/2021)	ront of and behind Jupiter. N/A Falcon 9 Soyuz Ariane V	(Source: LSP Milestone Review Kazakhstan KSC Kazakhstan Kourou	HQ HQ HQ	GW RG PP/GL
Comments: Lucy will explore six 64S Return Comments: SORR: 9/23/2021; F. SpaceX Crew 3 Comments: SORR: 9/30/2021; F. 79P Comments: SORR: 10/7/2021 (S. James Webb Space Telescope (JWST) Comments: JWST will peer through	TBD TBD TBD TRR: 9/28/2021 (Sou TBD	TBD TBD TBD TBD TBD TBD TBD TBD	Undock 10/17/2021 /18/2021) 10/23/2021 5/11/2021)	ront of and behind Jupiter. N/A Falcon 9 Soyuz Ariane V	(Source: LSP Milestone Review Kazakhstan KSC Kazakhstan Kourou	HQ HQ HQ	GW RG PP/GL
Comments: Lucy will explore six 64S Return Comments: SORR: 9/23/2021; F. SpaceX Crew 3 Comments: SORR: 9/30/2021; F. 79P Comments: SORR: 10/7/2021 (S. James Webb Space Telescope (JWST) Comments: JWST will peer through the properties of th	TBD TBD TBD TRR: 9/28/2021 (Sou TBD	TBD TBD TBD TBD TBD TBD TBD TBD	Undock 10/17/2021 /18/2021) 10/23/2021 5/11/2021) 10/30/2021 // systems, connecting t	ront of and behind Jupiter. N/A Falcon 9 Soyuz Ariane V	(Source: LSP Milestone Review Kazakhstan KSC Kazakhstan Kourou	HQ HQ HQ	GW RG PP/GL
Comments: Lucy will explore six 64S Return Comments: SORR: 9/23/2021; F. SpaceX Crew 3 Comments: SORR: 9/30/2021; F. 79P Comments: SORR: 10/7/2021 (S James Webb Space Telescope (JWST) Comments: JWST will peer through the properties of the	TBD TBD TBD TRR: 9/28/2021 (Source: 10/14/2021 (Source: CoFR Matrix TBD	TBD TBD TBD TBD TBD TBD TBD TBD	Undock 10/17/2021 /18/2021) 10/23/2021 5/11/2021) 10/30/2021 v systems, connecting t	Falcon 9 Soyuz Ariane V he Milky Way to our own	Kazakhstan KSC Kazakhstan Kourou Solar System. (Website Source:	HQ HQ www.jwst.nasa	GW RG PP/GL a.gov) (Source
Comments: Lucy will explore six 64S Return Comments: SORR: 9/23/2021; F. SpaceX Crew 3 Comments: SORR: 9/30/2021; F. 79P Comments: SORR: 10/7/2021 (S. James Webb Space Telescope (JWST) Comments: JWST will peer through the planning Board (FPB) Man SpaceX Crew 2 Return	TBD TBD TBD TRR: 9/28/2021 (Source: 10/14/2021 (Source: CoFR Matrix TBD	TBD TBD TBD TBD TBD TBD TBD TBD	Undock 10/17/2021 /18/2021) 10/23/2021 5/11/2021) 10/30/2021 v systems, connecting t	Falcon 9 Soyuz Ariane V he Milky Way to our own	Kazakhstan KSC Kazakhstan Kourou Solar System. (Website Source:	HQ HQ www.jwst.nasa	GW RG PP/GL a.gov) (Source
Comments: Lucy will explore six 64S Return Comments: SORR: 9/23/2021; F. SpaceX Crew 3 Comments: SORR: 9/30/2021; F. 79P Comments: SORR: 10/7/2021 (S. James Webb Space Telescope (JWST) Comments: JWST will peer through the state of	TBD TBD TBD TRR: 9/28/2021 (Source: 10/14/2021 (Source: CoFR Matrix TBD	TBD TBD TBD TBD TBD TBD TBD TBD	Undock 10/17/2021 /18/2021) 10/23/2021 5/11/2021) 10/30/2021 v systems, connecting t	Falcon 9 Soyuz Ariane V he Milky Way to our own	Kazakhstan KSC Kazakhstan Kourou Solar System. (Website Source:	HQ HQ www.jwst.nasa	GW RG PP/GL a.gov) (Source
Comments: Lucy will explore six 64S Return Comments: SORR: 9/23/2021; F. SpaceX Crew 3 Comments: SORR: 9/30/2021; F. Comments: SORR: 10/7/2021 (S. James Webb Space Telescope (JWST) Comments: JWST will peer through the planning Board (FPB) Man SpaceX Crew 2 Return	TBD TBD TBD TRR: 9/28/2021 (Source: 10/14/2021 (Source: CoFR Matrix TBD	TBD TBD TBD TBD TBD TBD TBD TBD	Undock 10/17/2021 /18/2021) 10/23/2021 5/11/2021) 10/30/2021 v systems, connecting t	Falcon 9 Soyuz Ariane V he Milky Way to our own	Kazakhstan KSC Kazakhstan Kourou Solar System. (Website Source:	HQ HQ www.jwst.nasa	GW RG PP/GL a.gov) (Source

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		MILESTONES			LAUNCH SITE		
MISSION TASK NAME	Pre-SMSR	SMSR/SMSA	LAUNCH OR OPS	LAUNCH VEHICLE	OR RETURN SITE	CHAIR	SMA REP.
Boeing-CFT (crewed)	TBD	TBD	Nov 2021 NET/TBD	Atlas V N22	CCAFS	HQ	RG
Comments: SORR: TBD; FRR:	TBD (Source: HEOMI	O Significant Near Term (Operational Events as o	of 5/7/2021)	"		
Imaging X-ray Polarimetry Explored (IXPE)	TBD	10/26/2021	11/17/2021	Falcon 9	CCAFS	HQ	PP/GL
Comments: The Imaging X-ray as active galactic nuclei (AGN), Waterfall dated 12/3/2020)							
Artemis I	TBD	TBD	11/22/2021	SLS	KSC	HQ	SM
Comments: With the Artemis programmer We will collaborate with our control of the							
Double Asteroid Redirection Test (DART)	TBD	TBD	11/23/2021 U/R	Falcon 9	VAFB	HQ	PP/GL
Comments: DART is a planetar the kinetic impactor technique to		= =		-		on or	
78P Disposal	TBD	TBD	Undock 11/24/2021	N/A	South Pacific Ocean	JSC	GW
Comments : SORR: 11/4/2021 (S	Source: CoFR Matrix da	ated 5/11/2021)					
6R Node	TBD	TBD TBD	11/24/2021	TBD	Kazakhstan	JSC	GW
Comments: SORR <mark>: 11/4/2021</mark> ; I	FRR: <mark>11/18/2021</mark> (Sourc	ce: CoFR Matrix dated 5/	11/2021)				
SpaceX-24	TBD	TBD	12/4/2021	Falcon 9	CCAFS	JSC	GW
Comments : SORR: 11/11/2021	(Source: CoFR Matrix o	dated 5/11/2021)					
Geostationary Operational Environmental Satellite (GOES-T)	TBD	TBD	12/7/2021	Atlas V-541	CCAFS	HQ	PP/GL
Comments: The GOES-R satellifive times faster, at four times the solar monitoring and space weath	e image resolution, with	triple the number of cha	nnels for more accurat	e, reliable weather forecasts and			

LEGEND: (TBC) - To Be Confirmed (TBD) - To Be Determined (NET) - No Earlier Than (U/R) - Under Review

Highlight – Change from previous version

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6 MONTH MARK FROM JUNE 7, 2021

		MILESTONES			LAUNCH SITE		
MISSION TASK NAME	Pre-SMSR	SMSR/SMSA	LAUNCH OR OPS	LAUNCH VEHICLE	OR RETURN SITE	CHAIR	SMA REP
<u>6S</u>	TBD	TBD	12/8/2021	Soyuz	Kazakhstan	JSC	GW
omments: SORR; 11/11/2021	; FRR: 12/2/2011 (Sou	rce: CoFR Matrix dated 5/1	1/2021)				
xiom-1	TBD	TBD	Jan 2022 TBD	Crew Dragon	KSC	HQ	RG
omments: SORR: TBD; FRR:	TBD (Source: CoFR M	fatrix dated 5/11/2021)					
	TBD Source: CoFR Matrix da	TBD atted 5/13/2021)	2/1/2022	Antares 230+	Wallops	JSC	GW
omments: SORR <mark>1/13/2022</mark> (S			2/1/2022	Antares 230+ Soyuz	Wallops Kazakhstan	JSC JSC	GW
omments: SORR <mark>1/13/2022</mark> (S OP Launch	Source: CoFR Matrix da	tted 5/13/2021)					
omments: SORR <mark>1/13/2022</mark> (S OP Launch	Source: CoFR Matrix da	tted 5/13/2021)					
omments: SORR <mark>1/13/2022</mark> (S OP Launch	Source: CoFR Matrix da	tted 5/13/2021)					
omments: SORR 1/13/2022 (SOP Launch) omments: SORR: 1/27/2022	Source: CoFR Matrix da	tted 5/13/2021)					
omments: SORR 1/13/2022 (SOP Launch omments: SORR: 1/27/2022 (Opening Crew 1	TBD (Source: CoFR Matrix of TBD)	TBD lated 5/11/2021)	2/16/2022	Soyuz	Kazakhstan	JSC	GW
Corthrup Grumman- 17 Comments: SORR 1/13/2022 (S OP Launch Comments: SORR: 1/27/2022 (Comments: SORR: TBD; FRR:	TBD (Source: CoFR Matrix of TBD)	TBD lated 5/11/2021)	2/16/2022	Soyuz	Kazakhstan	JSC	GW
omments: SORR 1/13/2022 (SOP Launch omments: SORR: 1/27/2022 (Opening Crew 1	TBD (Source: CoFR Matrix of TBD)	TBD lated 5/11/2021)	2/16/2022	Soyuz	Kazakhstan	JSC	GW

(NET) - No Earlier Than (U/R) - Under Review

Highlight – Change from previous version

SMSR INTEGRATED MASTER SCHEDULE June 7, 2021

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		MILESTONES			LAUNCH SITE		~~~.
MISSION TASK NAME	Pre-SMSR	SMSR/SMSA	LAUNCH OR OPS	LAUNCH VEHICLE	OR RETURN SITE	CHAIR	SMA RI
65S Return	TBD	TBD	Undock 3/28/2022	N/A	South Pacific Ocean	JSC	GW
Comments: SORR: <mark>2/24/2022</mark> ; I	FRR: <mark>3/10/2022</mark> (Source	: CoFR Matrix dated 5/11	1/2021)			•	•
SpaceX-25	TBD	TBD	Apr 2022	Falcon 9	CCAFS	JSC	GW
SpuceA-25	100	IDD	Apr 2022	raicon 9	CCAFS	350	GW
Comments: SORR: TBD (Sourc	e: LSP Waterfall dated	5/4/2020)					
Comments: SORR: TBD (Source SpaceX Crew 4	e: LSP Waterfall dated (75/4/2020) TBD	4/1/2022	Falcon 9	KSC	HQ	RG
	TBD	TBD			KSC	HQ	RG
SpaceX Crew 4	TBD	TBD			KSC	HQ	RG
SpaceX Crew 4 Comments: SORR: TBD; FRR:	TBD TBD (Source: HEOMD	TBD Significant Near Term C	perational Events dat	ed 5/14/2021)			
SpaceX Crew 4	TBD	TBD			KSC	HQ HQ	RG RG
SpaceX Crew 4 Comments: SORR: TBD; FRR:	TBD TBD (Source: HEOMD	TBD Significant Near Term C TBD	perational Events dat	ed 5/14/2021)			
SpaceX Crew 4 Comments: SORR: TBD; FRR: Boeing Crew 2	TBD TBD (Source: HEOMD	TBD Significant Near Term C TBD	perational Events dat	ed 5/14/2021)			
SpaceX Crew 4 Comments: SORR: TBD; FRR: Boeing Crew 2	TBD TBD (Source: HEOMD	TBD Significant Near Term C TBD	perational Events dat	ed 5/14/2021)			

12 MONTH MARK FROM JUNE 7, 2021

SMSR INTEGRATED MASTER SCHEDULE

		MILESTONES			LAUNCH SITE		
MISSION TASK NAME	Pre-SMSR	SMSR/SMSA	LAUNCH OR OPS	LAUNCH VEHICLE	OR RETURN SITE	CHAIR	SMA RE
Low-Boom Flight Demonstrator (LBFD) X-59 QueSST	TBD	TBD	Jun 2022	X-59	AFRC	HQ	JC
Comments: The Lockheed Mart Tuesday Tag-up comments from	in X-59 QueSST is an John Lapointe on 9/29	American experimental su 9/2020)	personic aircraft being	developed at Skunk Works fo	r NASA's Low-Boom Flight	Demonstrator p	orogram. (Sou
Psyche	TBD	TBD	7/13/2022- 8/26/2022	Falcon Heavy	KSC	HQ	PP/GL
Comments: The Psyche mission nickel-iron core of an early plane						t appears to be	the exposed
SpaceX-26	TBD	TBD	Sep 2022	Falcon 9	CCAFS	JSC	GW
Comments: SORR: TBD (Sourc	ee: LSP Waterfall dated	d 6/4/2020)					
Joint Polar Satellite System 2 (JPSS-2)	TBD	TBD	9/30/2022	Atlas V-401	VAFB	HQ	PP/GL
Comments: The Joint Polar Sate	ellite System (JPSS) is	the restructured civilian po	ornon or the National F	olar-oronnig Operational Envi	ronnichtar Satenite System (1		
afternoon observations as it orbit of Defense weather satellite syste	s Earth. The system in	cludes the satellites and se	nsors supporting civil	weather and climate measurem	ents and a shared ground infr	astructure with	
afternoon observations as it orbit of Defense weather satellite systems. SpaceX Crew 5	s Earth. The system in em. Check at Pre-SMS	cludes the satellites and se R with JPSS-2 CSO if inpo	nsors supporting civil ut needed from LOFTI	weather and climate measurem D. (Source: Flight Planning Bo	ents and a shared ground infr aard (FPB) Manifest dated 8/3	astructure with 3/2020)	the Departmo
afternoon observations as it orbit of Defense weather satellite syste SpaceX Crew 5 Comments: SORR: TBD; FRR: Surface Water and Ocean	s Earth. The system in em. Check at Pre-SMS	cludes the satellites and se R with JPSS-2 CSO if inpo	nsors supporting civil ut needed from LOFTI	weather and climate measurem D. (Source: Flight Planning Bo	ents and a shared ground infr aard (FPB) Manifest dated 8/3	astructure with 3/2020)	the Departmo
afternoon observations as it orbit of Defense weather satellite system of Defense Water of Surface Water and Ocean Topography (SWOT) Comments: The SWOT mission hydrologists and international pa	TBD TBD TBD TBD TBD TBD TBD TBD	TBD TBD TBD TBD TBD TBD TBD TBD	10/25/2022 11/15/2022 U/R etter understanding of mission to make the fi	weather and climate measurem D. (Source: Flight Planning Bo Falcon 9 Falcon 9 the world's oceans and its terre	ents and a shared ground infr oard (FPB) Manifest dated 8/3 KSC VAFB strial surface waters. U.S. and	HQ HQ French ocean	RG PP/GL ographers and
afternoon observations as it orbit of Defense weather satellite system of Defense of De	TBD TBD TBD TBD TBD TBD TBD TBD	TBD TBD TBD TBD TBD TBD TBD TBD	10/25/2022 11/15/2022 U/R etter understanding of mission to make the fi	weather and climate measurem D. (Source: Flight Planning Bo Falcon 9 Falcon 9 the world's oceans and its terre	ents and a shared ground infr oard (FPB) Manifest dated 8/3 KSC VAFB strial surface waters. U.S. and	HQ HQ French ocean	RG PP/GL ographers and
Comments: The Joint Polar Sate afternoon observations as it orbit of Defense weather satellite systems. SpaceX Crew 5 Comments: SORR: TBD; FRR: Surface Water and Ocean Topography (SWOT) Comments: The SWOT mission hydrologists and international pat topography, and measure how we Boeing Crew 3 Comments: SORR: TBD; FRR:	TBD TBD TBD TBD TBD TBD TBD TBD	TBD TBD TBD TBD TBD TBD TBD TBD	10/25/2022 11/15/2022 U/R etter understanding of mission to make the firfall 5/20/2021)	Falcon 9 Falcon 9 The world's oceans and its terrests global survey of Earth's sur	wents and a shared ground infroard (FPB) Manifest dated 8/3 KSC VAFB strial surface waters. U.S. and face water, observe the fine d	HQ HQ d French ocean etails of the oc	RG PP/GL ographers and ean's surface
afternoon observations as it orbit of Defense weather satellite system of Defense weather some of Defense of Def	TBD TBD TBD TBD TBD TBD TBD TBD	TBD TBD TBD TBD TBD TBD TBD TBD	10/25/2022 11/15/2022 U/R etter understanding of mission to make the firfall 5/20/2021)	Falcon 9 Falcon 9 The world's oceans and its terrests global survey of Earth's sur	wents and a shared ground infroard (FPB) Manifest dated 8/3 KSC VAFB strial surface waters. U.S. and face water, observe the fine d	HQ HQ d French ocean etails of the oc	RG PP/GL ographers and ean's surface
afternoon observations as it orbit of Defense weather satellite system of Defense weather some of Defense of Def	TBD TBD TBD TBD TBD TBD TBD TBD	TBD TBD TBD TBD TBD TBD TBD TBD	11/15/2022 U/R etter understanding of mission to make the firfall 5/20/2021) 12/14/2022	Falcon 9 Falcon 9 the world's oceans and its terrest global survey of Earth's sur Atlas V N22	ward (FPB) Manifest dated 8/3 KSC VAFB strial surface waters. U.S. and face water, observe the fine december of the company	HQ HQ HQ HQ HQ HQ HQ HQ	PP/GL ographers and ean's surface

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		MILESTONES			LAUNCH SITE		
MISSION TASK NAME	Pre-SMSR	SMSR/SMSA	LAUNCH OR OPS	LAUNCH VEHICLE	OR RETURN SITE	CHAIR	SMA REP.
SpaceX Crew 6	TBD	TBD	2/1/2023	Falcon 9	KSC	HQ	RG
Comments: SORR: TBD; FRR:	TBD (Source: Flight Pla	nning Board (FPB) Man	ifest dated 12/23/2020)				
	· ·	, ,					
Boeing Crew 4	TBD	TBD	4/13/2023	Atlas V N22	CCAFS	HQ	RG
Comments: SORR: TBD; FRR:	TBD (Source: LSP Wate	erfall dated 4/22/2021)					
Artemis II	TBD	TBD	Jun 2023	SLS	KSC	HQ	SM
Comments: With the Artemis pro	ogram, NASA will land	the first woman and next	t man on the Moon by 2	2024, using innovative technolo	gies to explore more of the h	nar surface that	n ever before.
We will collaborate with our com							ļ
SpaceX-28	TBD	TBD	6/5/2023	Falcon 9	CCAFS	JSC	GW
Comments, CODD, TDD (Course	a. I.CD Watarfall datad 4	/9/2021)					
Comments: SORR: TBD (Source	e: LSP waterfall dated 4	10/2021)					ļ
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<u>LEGEND</u>: (TBC) - To Be Confirmed

(TBD) - To Be Determined (NET) - No Earlier Than (U/R) - Under Review

Highlight – Change from previous version

SMSR INTEGRATED MASTER SCHEDULE

Legend
Delegated SMSA
Chaired by HQ
Informational Briefing

24 MONTH MARK FROM JUNE 7, 2021

		MILESTONES			LAUNCH SITE		
MISSION TASK NAME	Pre-SMSR	SMSR/SMSA	LAUNCH OR OPS	LAUNCH VEHICLE	OR RETURN SITE	CHAIR	SMA RE
Polarimeter to Unify the Corona and Heliosphere (PUNCH)	TBD	TBD	Oct 2023 U/R	TBD	TBD	HQ	PP/GL
Comments: PUNCH will focus of the solar wind as it leaves the Sur understand their evolution and de	n. The spacecraft also	will track coronal mass eje	ctions – large eruptions	s of solar material that can driv			
SpaceX-29	TBD	TBD	10/20/2023	Falcon 9	CCAFS	JSC	GW
Plankton, Aerosol, Cloud,	TBD	TBD	11/30/2023	Falcon 9	CCAFS	HQ	PP/GL
Plankton, Aerosol, Cloud, ocean Ecosystem (PACE)	TBD		NET				
Plankton, Aerosol, Cloud, ocean Ecosystem (PACE) Comments: PACE's data will he	TBD Ip us better understand	d how the ocean and atmos	NET				
Plankton, Aerosol, Cloud, ocean Ecosystem (PACE) Comments: PACE's data will he surface ocean. (Source: LSP Wat	TBD lp us better understanderfall dated 4/8/2021)	d how the ocean and atmos	NET phere exchange carbon	dioxide. In addition, it will re	veal how aerosols might fuel	phytoplankton	growth in the
Plankton, Aerosol, Cloud, ocean Ecosystem (PACE) Comments: PACE's data will he surface ocean. (Source: LSP Wat Geostationary Operational Environmental Satellite (GOES-U)	TBD Ip us better understand	d how the ocean and atmos	NET				
Plankton, Aerosol, Cloud, ocean Ecosystem (PACE) Comments: PACE's data will he surface ocean. (Source: LSP Wat Geostationary Operational Environmental Satellite	TBD Ip us better understanderfall dated 4/8/2021) TBD te series consists of Gerimage resolution, with	TBD OES-R, GOES-S, GOES-7 th triple the number of char	NET phere exchange carbon 4/30/2024 T, and GOES-U. This so	TBD eries is more advanced than the	c previous GOES fleet in tha	phytoplankton HQ the imager car	growth in the PP/GL a scan the Eart

SMSR INTEGRATED MASTER SCHEDULE June 7, 2021

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		MILESTONES			LAUNCH SITE		
MISSION TASK NAME	Pre-SMSR	SMSR/SMSA	LAUNCH OR OPS	LAUNCH VEHICLE	OR RETURN SITE	CHAIR	SMA REP.

LEGEND: (TBC) - To Be Confirmed

Highlight – Change from previous version

(TBD) - To Be Determined (NET) - No Earlier Than (U/R) - Under Review

SMSR INTEGRATED MASTER SCHEDULE

Legend
Delegated SMSA
Chaired by HQ
Informational Briefing

36 MONTH MARK FROM JUNE 7, 2021

		MILESTONES			I AUNCH CITE		
MISSION TASK NAME	Pre-SMSR	SMSR/SMSA	LAUNCH OR OPS	LAUNCH VEHICLE	LAUNCH SITE OR RETURN SITE	CHAIR	SMA REP
Spectro-Photometer for the History of the Universe, Epoch of Reionization and Ices Explorer (SPHEREx)	TBD	TBD	6/17/2024	TBD	TBD	HQ	PP/GL
Comments: SPHEREx will surv Astronomers will use the mission 3/20/2020)							
Comments: With the Artemis programmer with our construction of the	nmercial and internatio	nal partners and establish	sustainable exploratio	n by 2028. (Source: Information	on from Shandy McMillian or	n 8/24/2020)	
Comments: With the Artemis programme We will collaborate with our constant of the Collaborate with our constant of the Collaborate with our constant of the Collaborate with the	rogram, NASA will lan nmercial and internatio	d the first woman and nex nal partners and establish	t man on the Moon by sustainable exploration Oct 2024 TBD	2024, using innovative technology 2028. (Source: Information	ologies to explore more of the on from Shandy McMillian or	lunar surface the 8/24/2020)	PP/GL
Comments: With the Artemis provided with confidence of the will collaborate with our confidence of the will collaborate with our confidence of the will be with the Artemis provided with the Artemis pr	rogram, NASA will lan nmercial and internatio TBD pper will conduct detai	d the first woman and nex nal partners and establish to the first woman and nex nal partners and establish to the first woman and nex nal partners and establish to the first woman and next to the fi	t man on the Moon by sustainable exploration Oct 2024 TBD iter's moon Europa an	TBD I investigate whether the icy m	ologies to explore more of the on from Shandy McMillian or TBD	HQ suitable for life.	PP/GL (Source: LSP
Comments: With the Artemis provided with confidence of the will collaborate with our confidence with our confidence of the will collaborate with our confidence of the will be with the Artemis provided	rogram, NASA will lan nmercial and internatio	d the first woman and nex nal partners and establish	t man on the Moon by sustainable exploration Oct 2024 TBD	2024, using innovative technology 2028. (Source: Information	ologies to explore more of the on from Shandy McMillian or	lunar surface the 8/24/2020)	PP/GL
Artemis III Comments: With the Artemis proper We will collaborate with our constitution of the will collaborate with our constitution. Europa Clipper Comments: NASA's Europa Clipper Waterfall dated 4/28/2021) OSAM-1 Comments: Changed the name of Planning Board (FPB) Manifest of the same o	TBD TBD TBD TBD TBD	TBD TBD	t man on the Moon by sustainable exploration Oct 2024 TBD iter's moon Europa an	TBD TBD TBD	TBD TBD TBD	HQ suitable for life.	PP/GL PP/GL PP/GL

48 MONTH MARK FROM JUNE 7, 2021

LEGEND: (TBC) - To Be Confirmed

Highlight - Change from previous version

(TBD) - To Be Determined (NET) - No Earlier Than (U/R) - Under Review

SMSR INTEGRATED MASTER SCHEDULE

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Informational Briefing

	MILESTONES				LAUNCH SITE		
MISSION TASK NAME	Pre-SMSR	SMSR/SMSA	LAUNCH OR OPS	LAUNCH VEHICLE	OR RETURN SITE	CHAIR	SMA REP.
Sentinel 6B	TBD	TBD	Nov 2025	TBD	TBD	JPL	PP/GL

The Sentinel-6 program includes two identical satellites, to be launched five years apart, Sentinel-6 Michael Freilich, which launched on 21 November 2020^[2] and Sentinel-6B, which will launch in 2025.^[3] These satellites will measure sea level change from space .Source: LSP Waterfall dated 11/19/2020)

Nancy Grace Roman Telescope TBD	TBD	December 2025	TBD	TBD	JPL	PP/GL
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The Nancy Grace Roman Space Telescope (formerly known as WFIRST, the Wide Field Infrared Survey Telescope) – a mission concept to answer vital questions in both exoplanet detection and dark energy research. (Source: LSP Milestone Review Schedule dated 1/7/2021)