

MASS Prize 2

Guess Made	Name	Date	
11/11/2016	Dean	7/4/2018	1
11/11/2016	Phil	1/1/2018	1
1/7/2017	Silvio	7/10/2018	1
11/11/2016	Jim A.	8/2/2017	1
11/11/2016	Keith	8/10/2018	1
11/11/2016	Jim M.	8/18/2018	1
11/11/2016	Carol	8/29/2017	1
1/7/2017	Sophia	1/7/2020	1
11/11/2016	Dave	7/4/2018	1
12/24/2016	Ed	7/4/2018	1
11/11/2016	Harry	12/4/2018	1
12/10/2016	Kevin	9/26/2017	1
	Boeing	8/15/2019	1
	SpaceX	6/15/2019	1
	NASA Need	8/1/2019	1
11/11/2016	Liz	7/11/2018	1
	Judy		

Date is when the first US astronauts launched from US soil, dock and enter the ISS
Prize is a \$20 Dairy Queen gift card

Schedule Dates as of October 2018
Boeing SpaceX
Mar 2019 Jan 2019

launch uncrewed capsule & dock to ISS

launch crewed capsule & dock to ISS **Aug 2019** **Jun 2019**

Post Certification Mission dates are Aug 2019 and Dec 2019

Schedule Dates as of August 2018
Boeing SpaceX
late 2018 to Nov 2018

Schedule Dates as of August 2019
Boeing

launch crewed capsule & dock to ISS mid 2019 Apr 2019

Anticipated NASA certification Feb 2020 Dec 2019

Gaps between US manned flights

			Span in days	
last Mercury	5/15/1963	first Gemini	3/23/1965	678
last Gemini	11/11/1966	first Apollo	10/11/1968	700
last Apollo	7/15/1975	first Shuttle	4/12/1981	2098
last Shuttle	7/8/2011	span to today	12/2/2018	2704
last Apollo		last Apollo		
Skylab	11/16/1973	Apollo/Soyuz	7/15/1975	606
	11/16/1973	first Shuttle	4/12/1981	2704
last Shuttle	7/8/2011	1st ComCrew est	6/15/2019	2899

7 yrs = 2555 days
8 yrs = 2920
last Apollo moon 12/7/1972
last Skylab 11/16/1973
Apollo/Soyuz 7/15/1975

Since the guesses were made:
9/1/16 SpaceX's Falcon 9 rocket blew up on the pad and they subsequently said they would resume flights in Nov 2016
10/11/16 Boeing delayed their launch dates by 6 months due to aerodynamic problems and troubles with a test article
11/8/16 Trump is President Elected

NASA plans on the Commercial Crew companies being certified by the end of 2018. It has not purchased any Soyuz seats for 2019 and it is probably to late to do so.

11/4/2016 Musk says Falcon9 launches to resume mid Dec 2016; delayed to Jan 2017.

12/13/2016 After MASS round 2 guesses made, SpaceX announce 6 month delay on their schedule dates

1/14/2017 SpaceX resumes launches with Iridium satellites from Vandenberg
5/20/2017 SpaceX delays unmanned Dragon test by 4 months from Nov 2017 to March 2018

7/13/2017 Chris Ferguson of Boeing hints that Starliner first manned mission slipping to 4th qtr 2018

7/20/2017 SpaceX schedule says uncrewed test flight Feb 2018, 1st crewed flight June 2018

7/20/2017 Boeing uncrewed in June 2018, 1st crewed in Aug 2018

10/13/2017 SpaceX slips 2 months on uncrewed (Apr 2018) & crewed (Aug 2018) flights
Boeing slips 2 months on uncrewed (Aug 2018) & 3 months on crewed (Nov 2018)

1/12/2018 SpaceX slips 4 months uncrewed mission Aug 2018 & crewed one Dec 2018
Boeing unchanged its uncrewed Aug 2018 & crewed Nov 2018

8/1/2018 Boeing thruster malfunction on Starliner slips uncrewed launch by 6 months to Spring 2019

8/2/2018 SpaceX uncrewed flight Nov 2018, first crewed test flight Apr 2019
Boeing uncrewed flight late 2018-early 2019, first crewed test flight mid 2019

8/29/2018 NASA need date extended to January 2020 by lengthening upcoming Soyuz missions
Chris Ferguson added to Boeing Demo-2 mission and is training for a possible ISS stint

9/17/2018 Musk hints at delay during announcement of Japanese BFR tourist when he says
uncrewed Dragon test to be in Dec 2018 and crewed flight in 2nd qtr 2019

10/5/2018 NASA announces new dates: SpaceX uncrewed Jan 2019, crewed June 2019 and
Boeing uncrewed Mar 2019, crewed Aug 2019; 1st PCM flights Aug 2019 & Dec 2019
PCM (Post Certification Missions) are flights that will delivery ISS crews for multi-months
NASA will give monthly status on schedule of launches

11/30/2018 Bridenstine says issue with SpaceX using an uncertified parachute company might cause
DM-1 mission to slip from Jan 7, 2019 to Spring. Only one certified company and they are
having trouble suppling SpaceX, Boeing and Orion parachute needs.

Person	Guess Date	Winning Range Start	End
Keith	8/10/2018	7/28/2018	8/14/2018
Jim M	8/18/2018	8/14/2018	10/11/2018
Harry	12/4/2018	10/11/2018	6/21/2019
Sophia	1/7/2020	6/22/2019	

Schedule Dates as of August 2016
Boeing SpaceX
Dec 2017 May 2017

launch uncrewed capsule dock to ISS

launch crewed capsule dock to ISS Feb 2018 Aug 2017

Current Schedule Dates for Commercial Crew
uncrewed capsule dock to ISS Aug 2018 Aug 2018

crewed capsule dock to ISS Nov 2018 Dec 2018

first operational flight to ISS Dec 2018

NASA certification Dec 2019 Jan 2020

Contract for Soyuz capsules expires Nov 2019
Russia says last contracted Soyuz launches Apr 2019
Russia returns to ISS crew of 3 with MS-14 Nov 2019

