

Software Technology 1: The SpaceY monthly planner

Assignment Documentation

U3160264

1 REFLECTION

This programming task required application of looping, file input and output. Additionally a design pattern was used to model the Orders as they were read in from the files.

Orders and Services were structured to hold the data. The Services class creates the services used, however this can be modified to read the services from a file. Order Plan and Action Plans are generated from separate classes to keep the main program classes tidy, and reflect Object Oriented programming.

2 TEST PLAN

This test plan outlines the tests performed on Part B of this assignment. These tests take into account the data given, and expected outputs.

These tests were ran iteratively and the program modified until tests passed.

2.1 MANDATORY TESTS

These tests are mandated by the assignment, detailed below.

File/Test Name	File Contents	Purpose
Dec2020.txt	3/12/20,CLINTY,ORB1,SYH172,LEO,Y,Y,3100000, 21/12/20,DAVIE,ORB1,SYH182,GTO,N,N,0,Launch 62xx 21/12/20,SHANEY,ORBH,SYHH19,CSO,N,N,0,Space Cassino	Mandatory Test run
Feb2023.txt	3/2/23,CLINTY,ORB1,SYH192,LEO,Y,Y,3100000, 10/2/23,JRRIE,MOON2,SYHH54,CSO,N,N,0,Holiday 21/2/23,CLINTY,ORB1,SYH193,LEO,N,Y,7100000, 21/2/23,DAVIE,MARS1,SYBFR12,CSO,N,N,0,Initial Cargo 25/2/23,DOG,ORB1,SYH194,LEO,N,Y,16000000,Kennel in orbit project	Mandatory Test run
April2025.txt	3/4/25,CLINTY,ORB1,SYH292,LEO,Y,Y,3100000, 10/4/25,JRRIE,MOON2,SYHH102,CSO,N,N,0,Holiday 21/4/25,CLINTY,ORBH,SYH293,LEO,N,Y,3900000, 21/4/25,DAVIE,MARS2,SYBFR22,CSO,N,N,0,Lander Robot 22/4/25,SHANEY,ORB1,SYH294,LEO,N,Y,16000000,	Mandatory Test run

	22/4/25,LINSAY,MARS1,SYBFR44,CSO,N,N,0, 23/4/25,ELIE,ISS5,SYH297,LEO,Y,Y,900000,Just Food 30/4/25,DOG,ORBH,SYHH103,GTO,N,Y,96000000, 18/10/17,CLINTY,ORB1,SYH17,LEO,Y,Y,3900000, 20/10/17,MATTY,ORB1,SYH18,GTO,Y,N,0,GPS- Satellite	The file shown in this document – for your basic testing if you want
Oct2017.txt		
Jan2018.txt	7/1/18,CLINTY,ORB1,SYH57,LEO,Y,Y,3100000, 20/1/18,MATTY,ORB1,SYH58,GTO,Y,N,0,GPS- Satellite 20/1/18,JRRIE,ORBH,SYHH14,GTO,N,N,0,Bongo Orbiter 21/1/18,CLINTY,ORB1,SYH59,LEO,N,Y,310000,	You can use it if you want – it was one of my test files, it may or may not be sensible

2.2 ADDITIONAL TESTS

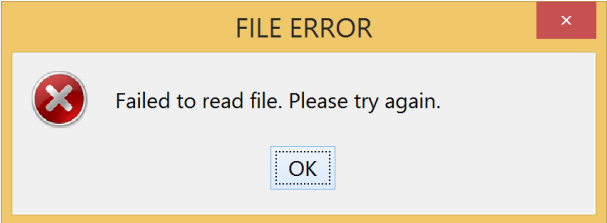
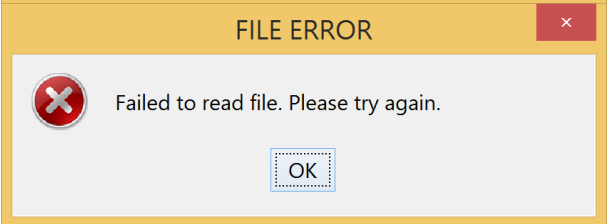
File/Test Name	File Contents	Purpose
Wrongformat.pdf	7/1/18,CLINTY,ORB1,SYH57,LEO,Y,Y,3100000, 20/1/18,MATTY,ORB1,SYH58,GTO,Y,N,0,GPS-Satellite 20/1/18,JRRIE,ORBH,SYHH14,GTO,N,N,0,Bongo Orbiter 21/1/18,CLINTY,ORB1,SYH59,LEO,N,Y,310000,	Test wrong file format handling
InCorrectData.txt	InCorrectData,23/52/2555,ORBH,St!,This doesn;t work .,	Test handling of incorrect data formatting within file
DoubleKSC.txt	20/10/17,MATTY,ORBHV,SYH18,GTO,Y,N,0,First KSC launch 20/10/17,MATTY,ORBVH,SYH19,GTO,Y,N,0,Second KSC launch	Test Action Plan where KSC can only launch once per day
ThreeLaunchDay.txt	20/10/17,CLINTY,ORB1,SYH17,LEO,Y,Y,3900000,Launch1 20/10/17,MATTY,ORB1,SYH18,GTO,Y,N,0,Launch2 20/10/17,MATTY,ORB1,SYH19,GTO,Y,N,0,Launch3	Test Action Plan where only two launches can occur per day

2.3 TEST OUTPUT

These tests were performed with the given files

2.3.1 General Errors

Global tests that affect all other plans. These tests halt the generation of the plan generation

Test Name	Expected Output	Actual Output	Pass / Fail	Comments
Wrongformat.pdf	Error reading file message		Pass	
InCorrectData.txt	Error message		Pass	Could provide more specific error message

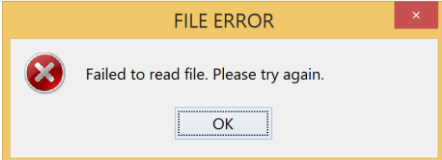
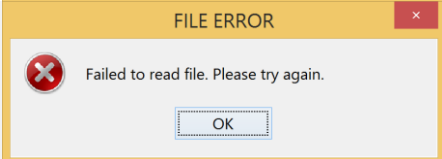
2.3.2 Order Plan

Order Plan generation tests with Mandatory and relevant Additional Tests

Test Name	Expected Output	Actual Output	Pass / Fail	Comments
Dec2020.txt	Order Plan for December 2020 Arrange 4 million insurance for SYH172 on 3/12/20 Arrange for NESA tracking for SYH182 on 21/12/20 Arrange for NESA tracking for SYHH19 on 21/12/20 Order 2 Hawk-9 launch vehicles Order 1 HawkH vehicle Order 3 cylinders of Nitrogen Order 1,360,000 kg of LOX Order 593,450 kg of RP1	Order Plan for December 2020 Arrange \$4,000,000.00 insurance for SYH172 on 03/12/20 Arrange NESA tracking for SYH182 on 21/12/20 Arrange NESA tracking for SYHH19 on 21/12/20 Order 2 Hawk-9 launch vehicles Order 1 Hawk Heavy launch vehicles Order 3 cylinders of Nitrogen Order 1,360,000kg of LOX	Pass	Different format for dates and service names, still has same meaning.

Feb2023.txt	Order Plan for February 2023	Order 593,450kg of RP1	Pass	As above
	Arrange 4,000,000 insurance for SYH192 on 3/2/23 Arrange 8,000,000 insurance for SHY193 on 21/2/23 Arrange 16,000,000 insurance for SYH194 on 25/2/23 Arrange NESA tracking for SYHH54 on 10/2/23 Arrange NESA tracking for SYBFR12 on 21/2/23 Order 3 Hawk-9 launch vehicles Order 1 BFR launch vehicle Order 1 Hawk Heavy Launch vehicle Order 1 Drako spacecraft Order 3 cylinders of nitrogen Order 5,915,000 kg of LOX Order 713,450 kg of RP1 Order 1,870,000 kg of Methane	Order Plan for February 2023 Arrange \$4,000,000.00 insurance for SYH192 on 03/2/23 Arrange \$8,000,000.00 insurance for SYH193 on 21/2/23 Arrange \$16,000,000.00 insurance for SYH194 on 25/2/23 Arrange NESA tracking for SYHH54 on 10/2/23 Arrange NESA tracking for SYBFR12 on 21/2/23 Order 3 Hawk-9 launch vehicles Order 1 Hawk Heavy launch vehicles Order 1 BFR launch vehicles Order 1 Drako launch vehicles Order 3 cylinders of Nitrogen Order 5,915,000kg of LOX Order 713,450kg of RP1 Order 1,870,000kg of Methane		
April2025.txt	Order Plan for April 2025	Order Plan for April 2025	Pass	As above
	Arrange for 4,000,000 insurance for SYH292 on 3/4/25 Arrange for 4,000,000 insurance for SYH293 on 21/4/25 Arrange for 16,000,000 insurance for SYH293 on 22/4/25 Arrange for 1,000,000 insurance for SHY297 on 23/4/25 Arrange for 96,000,000 insurance for SYHH103 on 30/4/25 Arrange for NESA tracking on SYGG102 on 10/4/25 Arrange for NESA tracking on SYBFR22 on 21/4/25	Arrange \$4,000,000.00 insurance for SYH292 on 03/4/25 Arrange \$4,000,000.00 insurance for SYH293 on 21/4/25 Arrange \$16,000,000.00 insurance for SYH294 on 22/4/25 Arrange \$1,000,000.00 insurance for SYH297 on 23/4/25 Arrange \$96,000,000.00 insurance for SYHH103 on 30/4/25 Arrange NESA tracking for SYHH102 on 10/4/25		

	Arrange for NESA tracking on SYBFR44 on 22/4/25 Arrange for NESA tracking on SYHH103 on 30/4/25 Order 3 Hawk-9 launch vehicles Order 3 Hawk Heavy launch vehicles Order 2 Drako spacecraft Order 2 BRF launch vehicle Order 6 cylinders of nitrogen Order 11,815,000 kg of LOX Order 1,420,350 kg of RP-1 Order 3,740,000 kg of Methane	Arrange NESA tracking for SYBFR22 on 21/4/25 Arrange NESA tracking for SYBFR44 on 22/4/25 Arrange NESA tracking for SYHH103 on 30/4/25 Order 3 Hawk-9 launch vehicles Order 3 Hawk Heavy launch vehicles Order 2 BFR launch vehicles Order 2 Drako launch vehicles Order 6 cylinders of Nitrogen Order 11,815,000kg of LOX Order 1,420,350kg of RP1 Order 3,740,000kg of Methane		
Oct2017.txt	Order Plan for October 2017 Arrange for 4,000,000 insurance gor SYH17 on 18/10/17 Arange for NESA tracking on SYH18 on 20/10/17 Order 2 Hawk-9 launch vehicles Order 6 cylinders of nitrogen Order 550,000 kg of LOX Order 240,000 kg of RP1	Order Plan for October 2017 Arrange \$4,000,000.00 insurance for SYH17 on 18/10/17 Arrange NESA tracking for SYH18 on 20/10/17 Order 2 Hawk-9 launch vehicles Order 6 cylinders of Nitrogen Order 550,000kg of LOX Order 240,000kg of RP1		As above
Jan2018.txt	Order plan for January 2018 Arrange for 4,000,000 insurance for SYH57 on 7/1/18 Arrange for 1,000,000 insurance for SYH59 on 21/1/18 Arrange for NESA tracking for SYH58 on 20/1/18 Arrange for NESA tracking for SYHH14 on 20/1/18 Order 6 cylinders of nitrogen Order 3 Hawk-9 launch vehicles Order 1 Hawk Heavy launch vehicle	Order Plan for January 2018 Arrange \$4,000,000.00 insurance for SYH57 on 07/1/18 Arrange \$1,000,000.00 insurance for SYH59 on 21/1/18 Arrange NESA tracking for SYH58 on 20/1/18 Arrange NESA tracking for SYHH14 on 20/1/18 Order 3 Hawk-9 launch vehicles	Pass	As above

	Order 1,635,000 kg of LOX Order 713,450 kg of RP1	Order 1 Hawk Heavy launch vehicles Order 6 cylinders of Nitrogen Order 1,635,000kg of LOX Order 713,450kg of RP1		
WrongFormat.pdf	PDF		Pass	
InCorrectData.txt	InCorrectData,23/52/2555,ORBH,St!,This doesn;t work		Pass	
DoubleKSC.txt	. , Order Plan for October 2017 Order 6 cylinders of Nitrogen Order 2 BFR launch vehicles Order 8,560,000 kg of LOX Order 3,740,000 kg of BFR	Order Plan for October 2017 Arrange NESA tracking for SYH18 on 20/10/17 Arrange NESA tracking for SYH19 on 20/10/17 Order 2 BFR launch vehicles Order 6 cylinders of Nitrogen Order 8,560,000kg of LOX Order 3,740,000kg of Methane		As above. This report still generates even though the associated Action Plan is not valid.
TripleLaunchDay.txt	Order Plan for October 2017 Arrange 4,000,000 insurance for SYH17 on 20/10/17 Arrange NESA tracking for SYH18 on 20/10/17 Arrange NESA tracking for SYH19 on 20/10/17 Order 3 Hawk-9 launch vehicles Order 9 cylinders of Nitrogen Order 825,000 kg of LOX Order 360,000 kg of RP1	Order Plan for October 2017 Arrange \$4,000,000.00 insurance for SYH17 on 20/10/17 Arrange NESA tracking for SYH18 on 20/10/17 Arrange NESA tracking for SYH19 on 20/10/17 Order 3 Hawk-9 launch vehicles Order 9 cylinders of Nitrogen Order 825,000kg of LOX	Pass	As above

2.3.3 Action Plan

Test Name	Inputs	Actual Output with inputs	Pass / Fail	Comments
Dec2020.txt	3/12/20,CLINTY,ORB1,SYH172,LEO,Y,Y,3100000, 21/12/20,DAVIE,ORB1,SYH182,GTO,N,N,0,Launch 62xx 21/12/20,SHANEY,ORBH,SYHH19,CSO,N,N,0,Space Cassino	18/10/17 06:00 Start vehicle rollout of Hawk-9 on pad LC40 for SYH17 18/10/17 07:00 Fuel rocket with LOX for SYH17 18/10/17 08:00 Fuel rocket with RP1 for SYH17 18/10/17 10:00 Nitrogen flush SYH17 18/10/17 10:50 GO/NOGO for SYH17 18/10/17 11:00 Launch SYH17 for CLINTY 20/10/17 06:00 Start vehicle rollout of Hawk-9 on pad LC40 for SYH18 20/10/17 07:00 Fuel rocket with LOX for SYH18 20/10/17 08:00 Fuel rocket with RP1 for SYH18 20/10/17 10:00 Nitrogen flush SYH18 20/10/17 10:50 GO/NOGO for SYH18 20/10/17 11:00 Launch SYH18 for MATTY GPS-Satellite	Pass - Each day exists - Each launch is allocated a pad - Each rocket is fuelled - Nitrogen is flushed - Each has GO/NOGO Each is launched	Different format for dates and service names, still has same meaning.
Feb2023.txt	3/2/23,CLINTY,ORB1,SYH192,LEO,Y,Y,3100000, 10/2/23,JRRIE,MOON2,SYHH54,CSO,N,N,0,Holliday 21/2/23,CLINTY,ORB1,SYH193,LEO,N,Y,7100000,	03/2/23 6:00 Start vehicle rollout of Hawk-9 on pad LC40 for SYH192 03/2/23 7:00 Fuel rocket with LOX for SYH192 03/2/23 8:00 Fuel rocket with RP1 for SYH192	Pass - Each day exists - Each launch is allocated a pad - Each rocket is fuelled	

21/2/23, DAVIE, MARS1, SYBFR12, CSO ,N,N,0, Initial Cargo 25/2/23, DOG, ORB1, SYH194, LEO, N, Y ,16000000, Kennel in orbit project	03/2/23 10:00	Nitrogen flush	<ul style="list-style-type: none"> - Nitrogen is flushed - Each has GO/NOGO - Each is launched
	SYH192		
	03/2/23 10:50	GO/NOGO for	
	SYH192		
	03/2/23 11:00	Launch SYH192 for	
	CLINTY		
	10/2/23 11:30	Start vehicle rollout	
	of Hawk Heavy on pad KSC for		
	SYHH54		
	10/2/23 12:30	Fuel rocket with LOX	
	for SYHH54		
	10/2/23 14:00	Fuel rocket with RP1	
	for SYHH54		
	10/2/23 15:30	GO/NOGO for	
	SYHH54		
	10/2/23 15:40	Launch SYHH54 for	
	JRRIE Holliday		
	21/2/23 6:00	Start vehicle rollout	
	of Hawk-9 on pad LC40 for SYH193		
	21/2/23 7:00	Fuel rocket with LOX	
	for SYH193		
	21/2/23 8:00	Fuel rocket with RP1	
	for SYH193		
	21/2/23 10:50	GO/NOGO for	
	SYH193		
	21/2/23 11:00	Launch SYH193 for	
	CLINTY		
	21/2/23 6:00	Start vehicle rollout	
	of BFR on pad KSC for SYBFR12		
	21/2/23 7:00	Fuel rocket with LOX	
	for SYBFR12		
	21/2/23 8:00	Fuel rocket with	
	Methane for SYBFR12		

		21/2/23 10:50 GO/NOGO for SYBFR12		
		21/2/23 11:00 Launch SYBFR12 for DAVIE Initial Cargo		
		25/2/23 11:30 Start vehicle rollout of Hawk-9 on pad LC40 for SYH194		
		25/2/23 12:30 Fuel rocket with LOX for SYH194		
		25/2/23 14:00 Fuel rocket with RP1 for SYH194		
		25/2/23 15:30 GO/NOGO for SYH194		
		25/2/23 15:40 Launch SYH194 for DOG Kennel in orbit project		
April2025.txt	3/4/25,CLINTY,ORB1,SYH292,LEO,Y,Y,3100000, 10/4/25,JRRIE,MOON2,SYHH102,CSO,N,N,0,Holiday 21/4/25,CLINTY,ORBH,SYH293,LEO,N,Y,3900000, 21/4/25,DAVIE,MARS2,SYBFR22,CSO,N,N,0,Lander Robot 22/4/25,SHANEY,ORB1,SYH294,LEO,N,Y,16000000, 22/4/25,LINSAY,MARS1,SYBFR44,CSO,N,N,0, 23/4/25,ELIE,ISS5,SYH297,LEO,Y,Y,900000,Just Food 30/4/25,DOG,ORBH,SYHH103,GT O,N,Y,96000000,	03/2/23 6:00 Start vehicle rollout of Hawk-9 on pad LC40 for SYH192 03/2/23 7:00 Fuel rocket with LOX for SYH192 03/2/23 8:00 Fuel rocket with RP1 for SYH192 03/2/23 10:00 Nitrogen flush SYH192 03/2/23 10:50 GO/NOGO for SYH192 03/2/23 11:00 Launch SYH192 for CLINTY 10/2/23 6:00 Start vehicle rollout of Hawk Heavy on pad LC40 for SYHH54 10/2/23 7:00 Fuel rocket with LOX for SYHH54 10/2/23 8:00 Fuel rocket with RP1 for SYHH54	Pass - Each day exists - Each launch is allocated a pad - Each rocket is fuelled - Nitrogen is flushed - Each has GO/NOGO Each is launched	Progress - Previous tests showed that days weren't separating out properly

10/2/23 10:50 GO/NOGO for SYHH54
10/2/23 11:00 Launch SYHH54 for JRRIE Holliday
21/2/23 6:00 Start vehicle rollout of Hawk-9 on pad LC40 for SYH193
21/2/23 7:00 Fuel rocket with LOX for SYH193
21/2/23 8:00 Fuel rocket with RP1 for SYH193
21/2/23 10:50 GO/NOGO for SYH193
21/2/23 11:00 Launch SYH193 for CLINTY
21/2/23 11:30 Start vehicle rollout of BFR on pad KSC for SYBFR12
21/2/23 12:30 Fuel rocket with LOX for SYBFR12
21/2/23 14:00 Fuel rocket with Methane for SYBFR12
21/2/23 15:30 GO/NOGO for SYBFR12
21/2/23 15:40 Launch SYBFR12 for DAVIE Initial Cargo
25/2/23 6:00 Start vehicle rollout of Hawk-9 on pad LC40 for SYH194
25/2/23 7:00 Fuel rocket with LOX for SYH194
25/2/23 8:00 Fuel rocket with RP1 for SYH194
25/2/23 10:50 GO/NOGO for SYH194

		25/2/23 11:00 Launch SYH194 for DOG Kennel in orbit project		
October2017.txt	18/10/17, CLINTY, ORB1, SYH17, LEO, Y, Y, 3900000, 20/10/17, MATTY, ORB1, SYH18, GTO, Y, N, 0, GPS-Satellite	18/10/17 6:00 Start vehicle rollout of Hawk-9 on pad LC40 for SYH17 18/10/17 7:00 Fuel rocket with LOX for SYH17 18/10/17 8:00 Fuel rocket with RP1 for SYH17 18/10/17 10:00 Nitrogen flush SYH17 18/10/17 10:50 GO/NOGO for SYH17 18/10/17 11:00 Launch SYH17 for CLINTY 20/10/17 6:00 Start vehicle rollout of Hawk-9 on pad LC40 for SYH18 20/10/17 7:00 Fuel rocket with LOX for SYH18 20/10/17 8:00 Fuel rocket with RP1 for SYH18 20/10/17 10:00 Nitrogen flush SYH18 20/10/17 10:50 GO/NOGO for SYH18 20/10/17 11:00 Launch SYH18 for MATTY GPS-Satellite	Pass	
Jan2018.txt	7/1/18, CLINTY, ORB1, SYH57, LEO, Y, Y, 3100000, 20/1/18, MATTY, ORB1, SYH58, GTO, Y, N, 0, GPS-Satellite 20/1/18, JRRIE, ORBH, SYHH14, GTO, N, N, 0, Bongo Orbiter 21/1/18, CLINTY, ORB1, SYH59, LEO, N, Y, 310000,	07/1/18 6:00 Start vehicle rollout of Hawk-9 on pad LC40 for SYH57 07/1/18 7:00 Fuel rocket with LOX for SYH57 07/1/18 8:00 Fuel rocket with RP1 for SYH57 07/1/18 10:00 Nitrogen flush SYH57 07/1/18 10:50 GO/NOGO for SYH57	Pass	

07/1/18 11:00 Launch SYH57 for
CLINTY
20/1/18 6:00 Start vehicle rollout
of Hawk-9 on pad LC40 for SYH58
20/1/18 7:00 Fuel rocket with LOX
for SYH58
20/1/18 8:00 Fuel rocket with RP1
for SYH58
20/1/18 10:00 Nitrogen flush
SYH58
20/1/18 10:50 GO/NOGO for SYH58
20/1/18 11:00 Launch SYH58 for
MATTY GPS-Satellite
20/1/18 11:30 Start vehicle rollout
of Hawk Heavy on pad KSC for
SYHH14
20/1/18 12:30 Fuel rocket with LOX
for SYHH14
20/1/18 14:00 Fuel rocket with RP1
for SYHH14
20/1/18 15:30 GO/NOGO for
SYHH14
20/1/18 15:40 Launch SYHH14 for
JRRIE Bongo Orbiter
21/1/18 6:00 Start vehicle rollout
of Hawk-9 on pad LC40 for SYH59
21/1/18 7:00 Fuel rocket with LOX
for SYH59
21/1/18 8:00 Fuel rocket with RP1
for SYH59
21/1/18 10:50 GO/NOGO for SYH59
21/1/18 11:00 Launch SYH59 for
CLINTY

WrongFormat.pdf	PDF file		Pass	
InCorrectData.txt	InCorrectData,23/52/2555,OR BH,St!,This doesn;t work .,		Pass	
DoubleKSC.txt	20/10/17,MATTY,ORBVH,SYH18, GTO,Y,N,0,FirstKSClaunch 20/10/17,MATTY,ORBVH,SYH19, GTO,Y,N,0,SecondKSClaunch		Pass	
ThreeDayLaunch.txt	20/10/17,CLINTY,ORB1,SYH17, LEO,Y,Y,3900000,Launch1 20/10/17,MATTY,ORB1,SYH18,G TO,Y,N,0,Launch2 20/10/17,MATTY,ORB1,SYH19,G TO,Y,N,0,Launch3		Pass	

2.3.4 Action Plan with Save

Test Name	Inputs	Actual Output with inputs	Pass / Fail	Comments
Dec2020.txt	3/12/20,CLINTY,ORB1,SYH172,LEO,Y ,Y,3100000, 21/12/20,DAVIE,ORB1,SYH182,GTO, N,N,0,Launch 62xx 21/12/20,SHANEY,ORBH,SYHH19,CS O,N,N,0,Space Cassino	18/10/17 06:00 Start vehicle rollout of Hawk-9 on pad LC40 for SYH17 18/10/17 07:00 Fuel rocket with LOX for SYH17 18/10/17 08:00 Fuel rocket with RP1 for SYH17 18/10/17 10:00 Nitrogen flush SYH17 18/10/17 10:50 GO/NOGO for SYH17	Pass - Same Text as Action Plan above - File saved to user specified location	

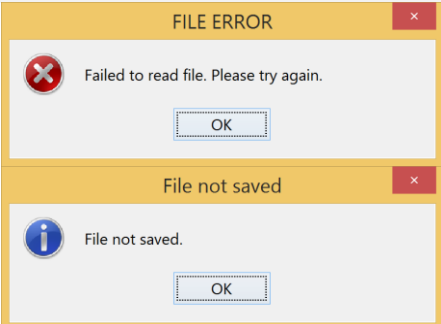
		18/10/17 11:00 Launch SYH17 for CLINTY 20/10/17 06:00 Start vehicle rollout of Hawk-9 on pad LC40 for SYH18 20/10/17 07:00 Fuel rocket with LOX for SYH18 20/10/17 08:00 Fuel rocket with RP1 for SYH18 20/10/17 10:00 Nitrogen flush SYH18 20/10/17 10:50 GO/NOGO for SYH18 20/10/17 11:00 Launch SYH18 for MATTY GPS-Satellite		
Feb2023.txt	3/2/23,CLINTY,ORB1,SYH192,LEO,Y,Y,3100000, 10/2/23,JRRIE,MOON2,SYHH54,CSO,N,N,0,Holliday 21/2/23,CLINTY,ORB1,SYH193,LEO,N,Y,7100000, 21/2/23,DAVIE,MARS1,SYBFR12,CSO,N,N,0,Initial Cargo 25/2/23,DOG,ORB1,SYH194,LEO,N,Y,16000000,Kennel in orbit project	03/2/23 6:00 Start vehicle rollout of Hawk-9 on pad LC40 for SYH192 03/2/23 7:00 Fuel rocket with LOX for SYH192 03/2/23 8:00 Fuel rocket with RP1 for SYH192 03/2/23 10:00 Nitrogen flush SYH192 03/2/23 10:50 GO/NOGO for SYH192 03/2/23 11:00 Launch SYH192 for CLINTY 10/2/23 11:30 Start vehicle rollout of Hawk Heavy on pad KSC for SYHH54 10/2/23 12:30 Fuel rocket with LOX for SYHH54 10/2/23 14:00 Fuel rocket with RP1 for SYHH54	Pass <ul style="list-style-type: none"> - Same Text as Action Plan above - File saved to user specified location 	

10/2/23 15:30 GO/NOGO for SYHH54
10/2/23 15:40 Launch SYHH54 for JRRIE Holliday
21/2/23 6:00 Start vehicle rollout of Hawk-9 on pad LC40 for SYH193
21/2/23 7:00 Fuel rocket with LOX for SYH193
21/2/23 8:00 Fuel rocket with RP1 for SYH193
21/2/23 10:50 GO/NOGO for SYH193
21/2/23 11:00 Launch SYH193 for CLINTY
21/2/23 6:00 Start vehicle rollout of BFR on pad KSC for SYBFR12
21/2/23 7:00 Fuel rocket with LOX for SYBFR12
21/2/23 8:00 Fuel rocket with Methane for SYBFR12
21/2/23 10:50 GO/NOGO for SYBFR12
21/2/23 11:00 Launch SYBFR12 for DAVIE Initial Cargo
25/2/23 11:30 Start vehicle rollout of Hawk-9 on pad LC40 for SYH194
25/2/23 12:30 Fuel rocket with LOX for SYH194
25/2/23 14:00 Fuel rocket with RP1 for SYH194
25/2/23 15:30 GO/NOGO for SYH194

		25/2/23 15:40 Launch SYH194 for DOG Kennel in orbit project		
April2025.txt	3/4/25,CLINTY,ORB1,SYH292,LEO,Y,Y,3100000, 10/4/25,JRRIE,MOON2,SYHH102,CSO,N,N,0,Holliday 21/4/25,CLINTY,ORBH,SYH293,LEO,N,Y,3900000, 21/4/25,DAVIE,MARS2,SYBFR22,CSO,N,N,0,Lander Robot 22/4/25,SHANEY,ORB1,SYH294,LEO,N,Y,16000000, 22/4/25,LINSAY,MARS1,SYBFR44,CSO,N,N,0, 23/4/25,ELIE,ISS5,SYH297,LEO,Y,Y,900000,Just Food 30/4/25,DOG,ORBH,SYHH103,GT O,N,Y,96000000,	03/2/23 6:00 Start vehicle rollout of Hawk-9 on pad LC40 for SYH192 03/2/23 7:00 Fuel rocket with LOX for SYH192 03/2/23 8:00 Fuel rocket with RP1 for SYH192 03/2/23 10:00 Nitrogen flush SYH192 03/2/23 10:50 GO/NOGO for SYH192 03/2/23 11:00 Launch SYH192 for CLINTY 10/2/23 6:00 Start vehicle rollout of Hawk Heavy on pad LC40 for SYHH54 10/2/23 7:00 Fuel rocket with LOX for SYHH54 10/2/23 8:00 Fuel rocket with RP1 for SYHH54 10/2/23 10:50 GO/NOGO for SYHH54 10/2/23 11:00 Launch SYHH54 for JRRIE Holliday 21/2/23 6:00 Start vehicle rollout of Hawk-9 on pad LC40 for SYH193 21/2/23 7:00 Fuel rocket with LOX for SYH193 21/2/23 8:00 Fuel rocket with RP1 for SYH193 21/2/23 10:50 GO/NOGO for SYH193	Pass - Same Text as Action Plan above File saved to user specified location	-

		21/2/23 11:00 Launch SYH193 for CLINTY 21/2/23 11:30 Start vehicle rollout of BFR on pad KSC for SYBFR12 21/2/23 12:30 Fuel rocket with LOX for SYBFR12 21/2/23 14:00 Fuel rocket with Methane for SYBFR12 21/2/23 15:30 GO/NOGO for SYBFR12 21/2/23 15:40 Launch SYBFR12 for DAVIE Initial Cargo 25/2/23 6:00 Start vehicle rollout of Hawk-9 on pad LC40 for SYH194 25/2/23 7:00 Fuel rocket with LOX for SYH194 25/2/23 8:00 Fuel rocket with RP1 for SYH194 25/2/23 10:50 GO/NOGO for SYH194 25/2/23 11:00 Launch SYH194 for DOG Kennel in orbit project	
October2017.txt	18/10/17, CLINTY, ORB1, SYH17, LEO, Y, Y, 3900000, 20/10/17, MATTY, ORB1, SYH18, GTO, Y, N, 0, GPS-Satellite	18/10/17 6:00 Start vehicle rollout of Hawk-9 on pad LC40 for SYH17 18/10/17 7:00 Fuel rocket with LOX for SYH17 18/10/17 8:00 Fuel rocket with RP1 for SYH17 18/10/17 10:00 Nitrogen flush SYH17 18/10/17 10:50 GO/NOGO for SYH17 18/10/17 11:00 Launch SYH17 for CLINTY	Pass - Same Text as Action Plan above File saved to user specified location

		20/10/17 6:00 Start vehicle rollout of Hawk-9 on pad LC40 for SYH18 20/10/17 7:00 Fuel rocket with LOX for SYH18 20/10/17 8:00 Fuel rocket with RP1 for SYH18 20/10/17 10:00 Nitrogen flush SYH18 20/10/17 10:50 GO/NOGO for SYH18 20/10/17 11:00 Launch SYH18 for MATTY GPS-Satellite		
Jan2018.txt	7/1/18,CLINTY,ORB1,SYH57,LEO,Y,Y,3100000, 20/1/18,MATTY,ORB1,SYH58,GT O,Y,N,0,GPS-Satellite 20/1/18,JRRIE,ORBH,SYHH14,G TO,N,N,0,Bongo Orbiter 21/1/18,CLINTY,ORB1,SYH59,LEO,N,Y,310000,	07/1/18 6:00 Start vehicle rollout of Hawk-9 on pad LC40 for SYH57 07/1/18 7:00 Fuel rocket with LOX for SYH57 07/1/18 8:00 Fuel rocket with RP1 for SYH57 07/1/18 10:00 Nitrogen flush SYH57 07/1/18 10:50 GO/NOGO for SYH57 07/1/18 11:00 Launch SYH57 for CLINTY 20/1/18 6:00 Start vehicle rollout of Hawk-9 on pad LC40 for SYH58 20/1/18 7:00 Fuel rocket with LOX for SYH58 20/1/18 8:00 Fuel rocket with RP1 for SYH58 20/1/18 10:00 Nitrogen flush SYH58 20/1/18 10:50 GO/NOGO for SYH58 20/1/18 11:00 Launch SYH58 for MATTY GPS-Satellite	Pass - Same Text as Action Plan above File saved to user specified location	

		<p>20/1/18 11:30 Start vehicle rollout of Hawk Heavy on pad KSC for SYHH14</p> <p>20/1/18 12:30 Fuel rocket with LOX for SYHH14</p> <p>20/1/18 14:00 Fuel rocket with RP1 for SYHH14</p> <p>20/1/18 15:30 GO/NOGO for SYHH14</p> <p>20/1/18 15:40 Launch SYHH14 for JRRIE Bongo Orbiter</p> <p>21/1/18 6:00 Start vehicle rollout of Hawk-9 on pad LC40 for SYH59</p> <p>21/1/18 7:00 Fuel rocket with LOX for SYH59</p> <p>21/1/18 8:00 Fuel rocket with RP1 for SYH59</p> <p>21/1/18 10:50 GO/NOGO for SYH59</p> <p>21/1/18 11:00 Launch SYH59 for CLINTY</p>		
WrongFormat.pdf	PDF file		Pass	Could Change notification to single message

InCorrectData.txt	InCorrectData,23/52/2555,OR BH,St!,This doesn;t work	<div>FILE ERROR</div> <div>Failed to read file. Please try again.</div> <div>OK</div> <div>File not saved</div> <div>File not saved.</div> <div>OK</div>	Pass	As above
DoubleKSC.txt	20/10/17,MATTY,ORBVH,SYH18, GTO,Y,N,0,FirstKSClaunch 20/10/17,MATTY,ORBVH,SYH19, GTO,Y,N,0,SecondKSClaunch Save Location: DoubleKSCOut.txt	<div>TWO BFRs ON SAME DAY</div> <div>Attempting to launch two BFRs on same day. Order 1: SYH18 for MATTY on 20/10/17 Order 2: SYH19 for MATTY on 20/10/17</div> <div>OK</div> <div>File not saved</div> <div>File not saved.</div> <div>OK</div>	Pass	
ThreeDayLaunch.txt	20/10/17,CLINTY,ORB1,SYH17, LEO,Y,Y,3900000,Launch1 20/10/17,MATTY,ORB1,SYH18,G TO,Y,N,0,Launch2 20/10/17,MATTY,ORB1,SYH19,G TO,Y,N,0,Launch3	<div>MORE THAN 2 LAUNCHES</div> <div>More than 2 launches on 20/10/17.</div> <div>OK</div> <div>File not saved</div> <div>File not saved.</div> <div>OK</div>	Pass	