1
00:00:19,429 --> 00:00:16,300
[Music]

2
00:00:22,189 --> 00:00:19,439
Saturn one 1b quarterly film report

3
00:00:33,049 --> 00:00:22,199
number 24 covers progress during the

4
00:00:34,819 --> 00:00:33,059
period April May June 1965 highlighting

5
00:00:37,850 --> 00:00:34,829
this quarter was the successful launch

6
00:00:40,520 --> 00:00:37,860
in flight of the night Saturn one si8

7
00:00:42,380 --> 00:00:40,530
and the equally successful orbiting of

8
00:00:45,500 --> 00:00:42,390
the second meteoroid technology

9
00:00:46,130 --> 00:00:45,510
satellite Pegasus B at the beginning of

10
00:00:48,139 --> 00:00:46,140
the quarter

11
00:00:52,430 --> 00:00:48,149
the launch vehicle had been erected at

12
00:00:54,560 --> 00:00:52,440
the Cape and was being tested on April

13
00:00:57,049 --> 00:00:54,570

10th following preparations for shipment

14
00:01:00,080 --> 00:00:57,059
the service module and its adapter for

15
00:01:03,380 --> 00:01:00,090
Apollo boilerplate number 26 was flown

16
00:01:05,570 --> 00:01:03,390
from Marshall to the Cape meanwhile

17
00:01:07,630 --> 00:01:05,580
final checkout of Pegasus B was

18
00:01:10,190 --> 00:01:07,640
completed at Hagerstown Maryland

19
00:01:11,570 --> 00:01:10,200
following checkout the satellite was

20
00:01:14,810 --> 00:01:11,580
shipped to General Electric for

21
00:01:15,230 --> 00:01:14,820
vibration tests April 13th two days

22
00:01:19,429 --> 00:01:15,240
later

23
00:01:22,039 --> 00:01:19,439
Pegasus B was shipped to the Cape in

24
00:01:24,980 --> 00:01:22,049
mid-april Pegasus B underwent system

25
00:01:26,690 --> 00:01:24,990
checks in hangar D following testing the

26
00:01:28,999 --> 00:01:26,700
satellite was mated to boiler plate

27
00:01:33,140 --> 00:01:29,009
number 26 is service module and it's

28
00:01:35,359 --> 00:01:33,150
adapter April 27th on April 28 the

29
00:01:38,870 --> 00:01:35,369
spacecraft was moved to the launch pad

30
00:01:40,569 --> 00:01:38,880
and directed atop si8 direction of the

31
00:01:44,389 --> 00:01:40,579
command module followed immediately

32
00:01:46,609 --> 00:01:44,399
flight objectives of si8 were to provide

33
00:01:49,429 --> 00:01:46,619
and evaluate meteoroid data in near

34
00:01:51,560 --> 00:01:49,439
Earth orbit demonstrate launch vehicle

35
00:01:54,620 --> 00:01:51,570
iterative guidance mode and evaluate

36
00:01:57,910 --> 00:01:54,630
system accuracy and test a closed-loop

37
00:02:00,740 --> 00:01:57,920
guidance system for the fourth time

38
00:02:02,959 --> 00:02:00,750

pre-launch check out of si8 progressed

39
00:02:06,440 --> 00:02:02,969
satisfactorily countdown demonstration

40
00:02:13,770 --> 00:02:06,450
test incompletes May 21st countdown

41
00:02:32,170 --> 00:02:17,260
vehicle liftoff occurred on May 25th at

42
00:02:34,330 --> 00:02:32,180
2:35 a.m. Eastern Standard Time si8 the

43
00:02:36,220 --> 00:02:34,340
first vehicle to use a chrysler built

44
00:02:38,950 --> 00:02:36,230
booster was the night straight

45
00:02:51,480 --> 00:02:38,960
successful Saturn the first stage burned

46
00:02:57,070 --> 00:02:54,970
the second stage burned about 474

47
00:02:59,500 --> 00:02:57,080
seconds obtaining programs cutoff

48
00:03:04,000 --> 00:02:59,510
velocity stage performance was

49
00:03:06,310 --> 00:03:04,010
satisfactory the Apollo command and

50
00:03:08,320 --> 00:03:06,320
service module jettisoned mechanically

51
00:03:11,260 --> 00:03:08,330
and the Pegasus wings successfully

52
00:03:13,930 --> 00:03:11,270
deployed Pegasus bees roll rate was six

53
00:03:16,210 --> 00:03:13,940
point six degrees per second as compared

54
00:03:18,790 --> 00:03:16,220
to Pegasus age roll rate of nine point

55
00:03:21,010 --> 00:03:18,800
eight degrees Pegasus B like its

56
00:03:23,170 --> 00:03:21,020
predecessor is successfully obtaining

57
00:03:25,570 --> 00:03:23,180
information concerning quantity and

58
00:03:41,860 --> 00:03:25,580
penetrating ability of meteoroids in the

59
00:03:44,260 --> 00:03:41,870
near-earth orbit the remaining Pegasus

60
00:03:46,090 --> 00:03:44,270
satellite will be launched by SI ten

61
00:03:50,890 --> 00:03:46,100
which throughout the quarter has been

62
00:03:53,170 --> 00:03:50,900
undergoing preparations for launch at

63
00:03:55,960 --> 00:03:53,180

Marshalls Michou operations preparations

64
00:04:00,760 --> 00:03:55,970
for shipment of s1 10 continued during

65
00:04:03,100 --> 00:04:00,770
April and May on May 26th the booster

66
00:04:06,930 --> 00:04:03,110
departed via barge for Cape Kennedy and

67
00:04:16,030 --> 00:04:09,910
two days later it was erected on the pad

68
00:04:21,590 --> 00:04:19,220
s410 was removed from storage at Sacto

69
00:04:26,930 --> 00:04:21,600
then loaded aboard the guppy and flown

70
00:04:29,210 --> 00:04:26,940
to KSC arriving may 8 inch a cow and

71
00:04:34,280 --> 00:04:29,220
necessary painting the stage was erected

72
00:04:36,620 --> 00:04:34,290
atop s110 the evening of June 8 check

73
00:04:39,020 --> 00:04:36,630
out of SIU 10 was completed in early

74
00:04:41,450 --> 00:04:39,030
April preparations for shipment of the

75
00:04:43,190 --> 00:04:41,460
instrument unit 4 completed April 16th

76
00:04:47,480 --> 00:04:43,200
when it was temporarily placed in

77
00:04:50,720 --> 00:04:47,490
storage on June 1st

78
00:04:53,000 --> 00:04:50,730
SIU 10 was delivered to the Cape on June

79
00:04:55,490 --> 00:04:53,010
night following checkout alignment and

80
00:04:58,370 --> 00:04:55,500
painting the unit was erected atop the

81
00:05:03,050 --> 00:04:58,380
stages pre-launch checkout of stages and

82
00:05:04,610 --> 00:05:03,060
components is underway while preferring

83
00:05:07,130 --> 00:05:04,620
checkout of the launch vehicle was

84
00:05:10,040 --> 00:05:07,140
underway modifications were completed on

85
00:05:11,840 --> 00:05:10,050
Apollo boiler plate number 9 the service

86
00:05:17,270 --> 00:05:11,850
module and adapter were shipped from

87
00:05:19,130 --> 00:05:17,280
Marshall to the Cape June 20th the

88
00:05:22,340 --> 00:05:19,140

command module and launch escape system

89
00:05:24,680 --> 00:05:22,350
were shipped on June 29th following

90
00:05:26,510 --> 00:05:24,690
mating with Pegasus boiler plate number

91
00:05:31,280 --> 00:05:26,520
nine will be erected atop the launch

92
00:05:33,560 --> 00:05:31,290
vehicle early next quarter Pegasus e

93
00:05:35,990 --> 00:05:33,570
electronic canister and thermal vacuum

94
00:05:39,380 --> 00:05:36,000
testing was completed at Bladensburg

95
00:05:41,300 --> 00:05:39,390
Maryland May 26 the satellite was then

96
00:05:43,400 --> 00:05:41,310
shipped to Fairchild Hiller's Hagerstown

97
00:05:46,420 --> 00:05:43,410
facility for final assembly and

98
00:05:50,270 --> 00:05:46,430
functional checkout

99
00:05:52,490 --> 00:05:50,280
Pegasus C were shipped to KSC June 22nd

100
00:05:54,409 --> 00:05:52,500
where it will receive pre-launch check

101
00:05:58,610 --> 00:05:54,419
out prior to mating with boiler plate

102
00:06:00,860 --> 00:05:58,620
number nine the launch of Pegasus II and

103
00:06:11,420 --> 00:06:00,870
sa 10 is scheduled for early next

104
00:06:12,890 --> 00:06:11,430
quarter at Marshall Saturn 1b dynamic

105
00:06:15,560 --> 00:06:12,900
testing of the complete vehicle

106
00:06:18,680 --> 00:06:15,570
configuration started last quarter was

107
00:06:22,300 --> 00:06:18,690
successfully completed May 27 no major

108
00:06:24,860 --> 00:06:22,310
problems were encountered during testing

109
00:06:26,180 --> 00:06:24,870
at the present time changeover is

110
00:06:28,010 --> 00:06:26,190
underway to the upper stage

111
00:06:29,390 --> 00:06:28,020
configuration which will allow

112
00:06:31,340 --> 00:06:29,400
simulation of s4

113
00:06:33,499 --> 00:06:31,350

be flight conditions following

114
00:06:38,930 --> 00:06:33,509
completion of change over next quarter

115
00:06:40,550 --> 00:06:38,940
dynamic testing will resume s1 bt has

116
00:06:42,350 --> 00:06:40,560
been shipped to the Michou assembly

117
00:06:44,779 --> 00:06:42,360
facility for storage and such

118
00:06:46,700 --> 00:06:44,789
modifications as necessary for the

119
00:06:51,590 --> 00:06:46,710
Saturn 1b sent our launch vehicle

120
00:06:54,110 --> 00:06:51,600
dynamic test program in April at

121
00:06:56,689 --> 00:06:54,120
Chrysler Michou a failure during the s1

122
00:07:00,409 --> 00:06:56,699
be structural testing revealed a spider

123
00:07:02,659 --> 00:07:00,419
beam marginal design MSFC and Chrysler

124
00:07:05,480 --> 00:07:02,669
investigated the failure resolved the

125
00:07:07,939 --> 00:07:05,490
problem and modified the beam on June

126
00:07:10,850 --> 00:07:07,949
19th the modified spider beam was

127
00:07:25,580 --> 00:07:10,860
successfully tested to the required 140

128
00:07:28,040 --> 00:07:25,590
percent load a major milestone in the

129
00:07:31,159 --> 00:07:28,050
Saturn 1b program was the static firing

130
00:07:33,409 --> 00:07:31,169
at Marshall of the first 1b booster on

131
00:07:35,990 --> 00:07:33,419
April 1st the booster built by Chrysler

132
00:07:39,469 --> 00:07:36,000
was successfully fired for a duration of

133
00:07:41,960 --> 00:07:39,479
35 seconds on April 13th and equally

134
00:07:46,460 --> 00:07:41,970
successful long duration firing was

135
00:07:48,589 --> 00:07:46,470
accomplished the stage was removed from

136
00:07:51,320 --> 00:07:48,599
the static test stand and transported to

137
00:07:54,230 --> 00:07:51,330
Marshalls loading docks on April 20th

138
00:07:57,800 --> 00:07:54,240

the stage departed MSFC and arrived at

139
00:08:00,230 --> 00:07:57,810
me Shu four days later following

140
00:08:03,320 --> 00:08:00,240
completion a post static modification

141
00:08:06,260 --> 00:08:03,330
post static checkout began June 11 the

142
00:08:08,719 --> 00:08:06,270
checkout will be completed in July the

143
00:08:11,060 --> 00:08:08,729
stage is scheduled to arrive at KSC in

144
00:08:13,580 --> 00:08:11,070
mid-august for use in the checkout of

145
00:08:18,700 --> 00:08:13,590
launch complex 34 prior to beginning

146
00:08:22,159 --> 00:08:18,710
pre-flight check also at Chrysler me Shu

147
00:08:25,550 --> 00:08:22,169
s1 b202 pre static checkout was

148
00:08:28,010 --> 00:08:25,560
completed April 22nd on May 21st

149
00:08:29,839 --> 00:08:28,020
installation of retrofitted engines was

150
00:08:33,490 --> 00:08:29,849
completed along with the necessary

151
00:08:35,930 --> 00:08:33,500
electrical tests and engine alignment

152
00:08:38,870 --> 00:08:35,940
the stage was then prepared for shipment

153
00:08:41,500 --> 00:08:38,880
to Marshall departing Mishu June 12th

154
00:08:44,889 --> 00:08:41,510
arriving at MSFC June 19

155
00:08:48,940 --> 00:08:44,899
s1b 202 is scheduled to be static fired

156
00:08:52,090 --> 00:08:48,950
early next quarter at Michou Chrysler

157
00:08:55,120 --> 00:08:52,100
completed Assembly of s 1 B 2 o 3 June

158
00:08:56,980 --> 00:08:55,130
16th following installation pre static

159
00:09:01,720 --> 00:08:56,990
checkout of the booster started June

160
00:09:05,590 --> 00:09:01,730
17th and continued throughout June on

161
00:09:08,710 --> 00:09:05,600
April 5th s1 b204 tank clustering began

162
00:09:10,720 --> 00:09:08,720
with completion in early June assembly

163
00:09:14,949 --> 00:09:10,730

operations on the booster will continue

164
00:09:17,410 --> 00:09:14,959
into August fabrication of s 1 B 2 O 5

165
00:09:20,290 --> 00:09:17,420
major structural components continued

166
00:09:22,329 --> 00:09:20,300
through the quarter on May 12th Assembly

167
00:09:24,910 --> 00:09:22,339
of the second stage adapter was begun

168
00:09:28,870 --> 00:09:24,920
with tank clustering scheduled for July

169
00:09:31,720 --> 00:09:28,880
12th fabrication operations for s1 B 206

170
00:09:35,470 --> 00:09:31,730
are also underway the lower thrust ring

171
00:09:37,720 --> 00:09:35,480
was completed on May 14th on June 28 the

172
00:09:39,579 --> 00:09:37,730
barrel assembly was completed stage

173
00:09:46,480 --> 00:09:39,589
fabrication will continue through next

174
00:09:49,750 --> 00:09:46,490
quarter at Rocketdyne Santa Susana

175
00:09:52,240 --> 00:09:49,760
facility 200k h1 engine qualification

176
00:09:55,180 --> 00:09:52,250
testing begun last quarter was completed

177
00:09:57,400 --> 00:09:55,190
April 30th the test program included

178
00:09:59,470 --> 00:09:57,410
functional and reliability tests of the

179
00:10:03,579 --> 00:09:59,480
locks valve turbo pump and thrust

180
00:10:14,650 --> 00:10:03,589
chamber 8 200k h1 engines will power the

181
00:10:17,140 --> 00:10:14,660
s-1 B stains another Saturn 1b major

182
00:10:19,870 --> 00:10:17,150
milestone was reached at sacto when the

183
00:10:22,630 --> 00:10:19,880
final 1b s4v battleship tests were

184
00:10:24,910 --> 00:10:22,640
performed during May on May 4th a

185
00:10:27,730 --> 00:10:24,920
successful full gimbal full duration

186
00:10:29,980 --> 00:10:27,740
firing was performed on May 14th

187
00:10:32,470 --> 00:10:29,990
successful environmental temperature

188
00:10:34,750 --> 00:10:32,480

conditioning tests were conducted these

189
00:10:37,480 --> 00:10:34,760
concluded the Saturn 1b battleship

190
00:10:42,220 --> 00:10:37,490
program conversion of the stage 2 Saturn

191
00:10:45,220 --> 00:10:42,230
5 configuration began immediately also

192
00:10:46,840 --> 00:10:45,230
at Sacramento the s4b facilities

193
00:10:49,329 --> 00:10:46,850
checkout stage underwent successful

194
00:10:51,690 --> 00:10:49,339
propellant loading tests at Douglass's

195
00:10:54,940 --> 00:10:51,700
beta test and number three this quarter

196
00:10:57,520 --> 00:10:54,950
qualifying both the stage and test and

197
00:10:59,710 --> 00:10:57,530
on May first automatic loading tests

198
00:11:01,630 --> 00:10:59,720
were successfully completed following

199
00:11:04,540 --> 00:11:01,640
testing the stage was removed from the

200
00:11:06,190 --> 00:11:04,550
stand and moved to an inspection site no

201
00:11:08,230 --> 00:11:06,200
discrepancies were revealed during

202
00:11:11,860 --> 00:11:08,240
post-test inspections of the propellant

203
00:11:14,620 --> 00:11:11,870
tanks lh2 tank insulation and dye checks

204
00:11:16,390 --> 00:11:14,630
of all exposed Wells the stage was

205
00:11:18,580 --> 00:11:16,400
subsequently prepared for shipment at

206
00:11:21,250 --> 00:11:18,590
Sacto and departed by a water

207
00:11:24,070 --> 00:11:21,260
transportation for KSC June 10th

208
00:11:26,260 --> 00:11:24,080
arriving June 30th the stage will be

209
00:11:30,910 --> 00:11:26,270
used in the checkout of launch complex

210
00:11:33,450 --> 00:11:30,920
34 construction of the vertical checkout

211
00:11:36,070 --> 00:11:33,460
laboratory at Sacto is well underway

212
00:11:38,140 --> 00:11:36,080
erection of structural steel is complete

213
00:11:40,030 --> 00:11:38,150

and installation of handling and test

214
00:11:42,730 --> 00:11:40,040
equipment is underway following

215
00:11:45,250 --> 00:11:42,740
acceptance the facility will be used for

216
00:11:49,240 --> 00:11:45,260
post static check out of s4v stages

217
00:11:51,220 --> 00:11:49,250
after acceptance firing a tear

218
00:11:53,650 --> 00:11:51,230
researchers test facility in Phoenix

219
00:11:56,260 --> 00:11:53,660
Arizona qualification testing of the

220
00:11:59,140 --> 00:11:56,270
fuel feed duct for s4b stages was

221
00:12:01,540 --> 00:11:59,150
conducted this quarter at Douglass's

222
00:12:05,920 --> 00:12:01,550
Huntington Beach facility the first s4b

223
00:12:07,810 --> 00:12:05,930
flight stage s4v 201 underwent lh2 tank

224
00:12:10,780 --> 00:12:07,820
modifications parts shortage

225
00:12:12,820 --> 00:12:10,790
installation painting and weighing the

226
00:12:16,360 --> 00:12:12,830
stage was then shipped to sacto April

227
00:12:18,670 --> 00:12:16,370
30th arriving May 6th the next day it

228
00:12:20,860 --> 00:12:18,680
was installed in beta test stand number

229
00:12:23,830 --> 00:12:20,870
3 we're out of position installations

230
00:12:26,350 --> 00:12:23,840
and modifications were begun pre static

231
00:12:29,200 --> 00:12:26,360
checkout began May 29th and continued

232
00:12:31,210 --> 00:12:29,210
through June a major milestone will be

233
00:12:33,160 --> 00:12:31,220
reached early next quarter with the

234
00:12:39,640 --> 00:12:33,170
acceptance firing of the first flight

235
00:12:42,280 --> 00:12:39,650
s4b stage major assembly on s4b 202 was

236
00:12:43,930 --> 00:12:42,290
completed April 30th checkout started

237
00:12:46,240 --> 00:12:43,940
the same day and continued through the

238
00:12:52,060 --> 00:12:46,250

quarter in parallel with installation of

239
00:12:54,940 --> 00:12:52,070
late parts s4b 203 clip bonding is now

240
00:12:56,590 --> 00:12:54,950
complete installations in the LH 2 tank

241
00:12:58,600 --> 00:12:56,600
and component installation in the

242
00:13:03,220 --> 00:12:58,610
forward and aft skirts and thrust

243
00:13:07,120 --> 00:13:03,230
structure continued installation of the

244
00:13:08,010 --> 00:13:07,130
LH 2 tanks for s4b 204 was completed in

245
00:13:10,199 --> 00:13:08,020
May

246
00:13:15,269 --> 00:13:10,209
installation of helium spheres in the

247
00:13:18,180 --> 00:13:15,279
lh2 tank was completed in late May in

248
00:13:20,310 --> 00:13:18,190
early May at santa monica s4b 205

249
00:13:23,220 --> 00:13:20,320
fabrication and assembly of the LOX tank

250
00:13:25,260 --> 00:13:23,230
was completed the LOX tank and lh2

251
00:13:28,470 --> 00:13:25,270
segments were then shipped to Huntington

252
00:13:31,980 --> 00:13:28,480
Beach joining of the lh2 and lox tanks

253
00:13:34,400 --> 00:13:31,990
occurred in mid-may joining of the

254
00:13:37,530 --> 00:13:34,410
forward dome was completed in early June

255
00:13:43,230 --> 00:13:37,540
lh2 insulation is scheduled for next

256
00:13:46,650 --> 00:13:43,240
quarter assembly of s4b 206 aft common

257
00:13:48,960 --> 00:13:46,660
bulkheads started May 4th work continued

258
00:13:55,740 --> 00:13:48,970
on the joining of aft and forward common

259
00:13:58,470 --> 00:13:55,750
bulkheads development and manufacturing

260
00:14:00,780 --> 00:13:58,480
of the s4 B's j2 engine continued

261
00:14:03,000 --> 00:14:00,790
throughout the quarter at status suzana

262
00:14:06,120 --> 00:14:03,010
modifications to rocky tines vertical

263
00:14:08,910 --> 00:14:06,130

stand 3a for j2 engine static tests

264
00:14:11,490 --> 00:14:08,920
started last quarter were completed in

265
00:14:15,540 --> 00:14:11,500
early June initial static firing

266
00:14:17,190 --> 00:14:15,550
occurred in mid April in order to

267
00:14:19,620 --> 00:14:17,200
improve manufacturing workload

268
00:14:22,440 --> 00:14:19,630
distribution Rocketdyne transferred the

269
00:14:24,870 --> 00:14:22,450
j2 liquid oxygen turbo pump fabrication

270
00:14:32,460 --> 00:14:24,880
from Canoga Park California to its

271
00:14:34,230 --> 00:14:32,470
Neosho Missouri plant as part of the

272
00:14:36,960 --> 00:14:34,240
flight rating test program which was

273
00:14:39,090 --> 00:14:36,970
successfully completed on June 30th six

274
00:14:41,010 --> 00:14:39,100
satisfactory malfunction tests were

275
00:14:43,560 --> 00:14:41,020
performed at Santa Susana this quarter

276
00:14:45,690 --> 00:14:43,570
during these tests malfunctions are

277
00:14:47,819 --> 00:14:45,700
deliberately phased into an engine to

278
00:14:49,800 --> 00:14:47,829
determine effect on performance and to

279
00:14:54,000 --> 00:14:49,810
see if a safe shutdown can be

280
00:14:56,400 --> 00:14:54,010
accomplished the other flight rating

281
00:14:58,889 --> 00:14:56,410
tests including altitude testing series

282
00:15:01,440 --> 00:14:58,899
safety limit series and malfunction

283
00:15:07,440 --> 00:15:01,450
series were successfully conducted with

284
00:15:09,900 --> 00:15:07,450
engines 2002 and 2003 at Marshall the

285
00:15:12,449 --> 00:15:09,910
first j2 engine delivered by Rocketdyne

286
00:15:15,120 --> 00:15:12,459
was installed in the static test and in

287
00:15:18,510 --> 00:15:15,130
April it is being used to familiarize

288
00:15:20,400 --> 00:15:18,520

MSFC personnel with the engine a second

289
00:15:21,870 --> 00:15:20,410
engine delivered to Marshall in June

290
00:15:26,490 --> 00:15:21,880
will be used to

291
00:15:28,410 --> 00:15:26,500
activate the stand at Wiley laboratories

292
00:15:30,660 --> 00:15:28,420
Huntsville instrument unit vibration

293
00:15:33,150 --> 00:15:30,670
testing started last quarter continued

294
00:15:34,770 --> 00:15:33,160
through April and May tests revealed

295
00:15:36,650 --> 00:15:34,780
deficiencies in the mounting of

296
00:15:39,630 --> 00:15:36,660
components to the IU structure

297
00:15:41,220 --> 00:15:39,640
consequently it was decided to bolt the

298
00:15:43,950 --> 00:15:41,230
mounting pads to the structure in

299
00:15:45,720 --> 00:15:43,960
addition to bonding additional vibration

300
00:15:49,860 --> 00:15:45,730
tests are underway to qualify the

301
00:15:51,630 --> 00:15:49,870
mechanically fastened mounting pads at

302
00:15:53,460 --> 00:15:51,640
Marshall assembly was completed in

303
00:15:55,620 --> 00:15:53,470
mid-june on the facilities check out

304
00:15:59,700 --> 00:15:55,630
instrument unit the unit was shipped

305
00:16:02,430 --> 00:15:59,710
from MSFC to Michou with s1 BD June 19th

306
00:16:04,530 --> 00:16:02,440
arriving June 23rd it will be

307
00:16:07,560 --> 00:16:04,540
temporarily stored then shipped to the

308
00:16:12,210 --> 00:16:07,570
Cape with s 1 B 201 for a launch complex

309
00:16:14,610 --> 00:16:12,220
34 check out instrument unit structural

310
00:16:16,740 --> 00:16:14,620
testing began May 27th at Marshall

311
00:16:19,440 --> 00:16:16,750
testing revealed a necessity for minor

312
00:16:21,750 --> 00:16:19,450
changes in the IU access door which have

313
00:16:23,340 --> 00:16:21,760

been made to series of tests have been

314
00:16:25,290 --> 00:16:23,350
completed with the third and final

315
00:16:30,210 --> 00:16:25,300
series to be conducted early next

316
00:16:32,070 --> 00:16:30,220
quarter assembly of structural segments

317
00:16:34,470 --> 00:16:32,080
for the second I use structural test

318
00:16:37,020 --> 00:16:34,480
unit began June 8 with completion

319
00:16:38,670 --> 00:16:37,030
scheduled in late July structural

320
00:16:41,100 --> 00:16:38,680
testing of this unit will verify the

321
00:16:46,160 --> 00:16:41,110
segment's built by North American to be

322
00:16:50,070 --> 00:16:46,170
flown on si 203 and subsequent vehicles

323
00:16:52,290 --> 00:16:50,080
work continued on SIU 201 with

324
00:16:54,230 --> 00:16:52,300
installation of inserts to allow bolting

325
00:16:57,030 --> 00:16:54,240
of all mounting pads to the structure

326
00:16:58,890 --> 00:16:57,040
component installation will be completed

327
00:17:01,200 --> 00:16:58,900
next quarter with checkout also

328
00:17:03,270 --> 00:17:01,210
scheduled for next quarter component

329
00:17:08,010 --> 00:17:03,280
installation is also well underway on

330
00:17:09,929 --> 00:17:08,020
SIU 202 work is well underway at

331
00:17:12,420 --> 00:17:09,939
Marshall system development facility

332
00:17:14,880 --> 00:17:12,430
with installation of black boxes on IU

333
00:17:16,860 --> 00:17:14,890
simulator cold plates and scheduled

334
00:17:18,510 --> 00:17:16,870
vehicle hardware check out the

335
00:17:22,770 --> 00:17:18,520
breadboard is expected to be fully

336
00:17:25,319 --> 00:17:22,780
operational by September meanwhile work

337
00:17:27,110 --> 00:17:25,329
continues toward activation of IBM's I

338
00:17:30,900 --> 00:17:27,120

you check out station at Huntsville

339
00:17:32,790 --> 00:17:30,910
Atmos you ii up to s1 check out stations

340
00:17:35,310 --> 00:17:32,800
to be modified to the s-1 b

341
00:17:40,200 --> 00:17:35,320
configuration was completed in

342
00:17:42,360 --> 00:17:40,210
a summary of the Saturn one 1b program

343
00:17:49,230 --> 00:17:42,370
from April through the end of June shows

344
00:17:58,460 --> 00:17:49,240
major accomplishments in all areas the

345
00:18:07,230 --> 00:18:02,150
preparations for the flight of s 8n

346
00:18:10,880 --> 00:18:07,240
Saturn 1b stage build-up acceleration of

347
00:18:13,320 --> 00:18:10,890
events within the j2 engine program and

348
00:18:16,710 --> 00:18:13,330
continued buildup of ground support

349
00:18:18,960 --> 00:18:16,720
equipment during the next report period

350
00:18:21,180 --> 00:18:18,970
additional major milestones will be

351
00:18:25,100 --> 00:18:21,190
reached strengthening the established