



1
00:00:17,740 --> 00:00:56,310
you

2
00:01:01,539 --> 00:00:58,360
welcome to this edition of the

3
00:01:03,459 --> 00:01:01,549
astronauts I'm Lynn Bondurant during

4
00:01:06,090 --> 00:01:03,469
this program will take a look at the

5
00:01:08,649 --> 00:01:06,100
many people and scientific technologies

6
00:01:12,850 --> 00:01:08,659
responsible for the first American space

7
00:01:15,070 --> 00:01:12,860
flight around the earth in 1962 John

8
00:01:16,719 --> 00:01:15,080
Glenn took the historic voyage in a

9
00:01:20,320 --> 00:01:16,729
mercury spacecraft called friendship

10
00:01:22,990 --> 00:01:20,330
seven part one of our program covers

11
00:01:25,539 --> 00:01:23,000
flight preparation background of Project

12
00:01:33,940 --> 00:01:25,549
Mercury and the worldwide spacecraft

13
00:01:35,889 --> 00:01:33,950

tracking network the countdown and one

14

00:01:37,240 --> 00:01:35,899

to get underway Cape Canaveral and a

15

00:01:39,249 --> 00:01:37,250

pimp the launch astronaut John Glenn

16

00:01:41,169 --> 00:01:39,259

into orbit around the world according to

17

00:01:44,710 --> 00:01:41,179

the british broadcasting corporation in

18

00:01:46,539 --> 00:01:44,720

London the Or the caribbean island

19

00:01:48,190 --> 00:01:46,549

florida who in for the blue lady on

20

00:01:50,289 --> 00:01:48,200

eharmony to the power of true north

21

00:01:52,029 --> 00:01:50,299

american not of comparing new people

22

00:01:55,120 --> 00:01:52,039

astronaut on a return of junk on our

23

00:01:57,969 --> 00:01:55,130

campus Canaveral Florida get the hot

24

00:02:01,840 --> 00:01:57,979

girl Martin Kenya is over to hold an

25

00:02:05,020 --> 00:02:01,850

item lordy todo con debacle Michael come

26
00:02:07,779 --> 00:02:05,030
here and you're hungry Hitler barranca

27
00:02:11,349 --> 00:02:07,789
americano to skokie sangram no soy como

28
00:02:13,479 --> 00:02:11,359
se me esta Mercurio I'm say portado que

29
00:02:15,759 --> 00:02:13,489
ambos a doctrine Alta escucho a

30
00:02:17,979 --> 00:02:15,769
friendship shitty and report the

31
00:02:20,170 --> 00:02:17,989
astronauts condition is excellent care

32
00:02:21,849 --> 00:02:20,180
atlantic cape canaveral and then after

33
00:02:23,920 --> 00:02:21,859
not glenwood weather still remains the

34
00:02:26,349 --> 00:02:23,930
big question mark put the countdown for

35
00:02:46,270 --> 00:02:26,359
crown Glen they countdown is again under

36
00:02:51,949 --> 00:02:50,270
with the entire world is our witness the

37
00:02:54,319 --> 00:02:51,959
countdown begins at cape canaveral

38
00:03:02,710 --> 00:02:54,329

florida for one of man's greatest

39

00:03:06,380 --> 00:03:02,720

adventures it begins here with these men

40

00:03:08,899 --> 00:03:06,390

for they are the launch team and from

41

00:03:10,220 --> 00:03:08,909

now until the instant of flight the

42

00:03:12,619 --> 00:03:10,230

point of today's mission west

43

00:03:16,910 --> 00:03:12,629

principally upon their skills and

44

00:03:19,430 --> 00:03:16,920

judgments the countdown is their master

45

00:03:22,940 --> 00:03:19,440

plan and they proceeded through its

46

00:03:24,979 --> 00:03:22,950

ritual with on hurry deliberation its

47

00:03:27,440 --> 00:03:24,989

pages contain the timetable of order

48

00:03:30,710 --> 00:03:27,450

they must follow to awaken a giant

49

00:03:33,710 --> 00:03:30,720

machine to test its readiness and to

50

00:03:37,300 --> 00:03:33,720

climate for the one supreme moment for

51
00:03:41,470 --> 00:03:37,310
which it was created now Peter e-banking

52
00:03:44,750 --> 00:03:41,480
buh-buh-buh stand down now Peter Reid

53
00:03:48,379 --> 00:03:44,760
11.56 for a minute after minute page

54
00:03:50,839 --> 00:03:48,389
upon page the count continues and in the

55
00:03:53,390 --> 00:03:50,849
night beyond this block house a modified

56
00:03:55,490 --> 00:03:53,400
Air Force Atlas rocket now hums with

57
00:03:58,220 --> 00:03:55,500
restless energy beneath the mercury

58
00:04:02,750 --> 00:03:58,230
spacecraft as these men usher it toward

59
00:04:04,819 --> 00:04:02,760
its final minutes honor today is

60
00:04:09,110 --> 00:04:04,829
februari twentieth nineteen sixty-two

61
00:04:10,969 --> 00:04:09,120
and today if all goes well the men here

62
00:04:13,250 --> 00:04:10,979
will launch an American astronaut into

63
00:04:57,340 --> 00:04:13,260

orbit around the world in a spacecraft

64

00:05:03,560 --> 00:05:00,260

friendship seven awaits its pilot and

65

00:05:08,150 --> 00:05:03,570

the pilot has waited three years for

66

00:05:13,010 --> 00:05:08,160

this day three long arduous years of

67

00:05:28,220 --> 00:05:13,020

study of training of waiting and now

68

00:05:34,020 --> 00:05:31,280

astronaut John Glenn of New Concord Ohio

69

00:05:39,810 --> 00:05:34,030

Lieutenant Colonel United States Marine

70

00:05:43,590 --> 00:05:39,820

Corps married father of two teenage

71

00:05:46,950 --> 00:05:43,600

children Glenn has been a pilot over

72

00:05:49,770 --> 00:05:46,960

half of his 40 years has flown in two

73

00:05:52,020 --> 00:05:49,780

wars and as a veteran test pilot who

74

00:05:54,150 --> 00:05:52,030

five years earlier established a

75

00:05:56,250 --> 00:05:54,160

transcontinental flight record as the

76
00:06:00,270 --> 00:05:56,260
first man to average supersonic speeds

77
00:06:02,580 --> 00:06:00,280
across America he volunteered for Space

78
00:06:05,310 --> 00:06:02,590
Flight is one of seven astronauts

79
00:06:07,140 --> 00:06:05,320
selected for Project Mercury the man and

80
00:06:21,049 --> 00:06:07,150
space program directed by the National

81
00:06:27,239 --> 00:06:23,879
two teammates a pioneered the way into

82
00:06:29,729 --> 00:06:27,249
space for Glenn astronaut alan shepard

83
00:06:32,009 --> 00:06:29,739
and Virgil Grissom tested the mercury

84
00:06:35,339 --> 00:06:32,019
spacecraft on trailblazing sub-orbital

85
00:06:37,799 --> 00:06:35,349
mission proving equipment and pushing

86
00:06:43,259 --> 00:06:37,809
the program to the threshold of orbital

87
00:06:45,539 --> 00:06:43,269
flight and now it's Glenn's turn ready

88
00:06:47,489 --> 00:06:45,549

for presentation now to Glen Falls the

89

00:06:50,579 --> 00:06:47,499

challenge of man's next advance in his

90

00:06:52,829 --> 00:06:50,589

face for he has been chosen to cross the

91

00:06:59,459 --> 00:06:52,839

threshold gained by shepard and Grissom

92

00:07:02,159 --> 00:06:59,469

and to orbit the world so the countdown

93

00:07:03,989 --> 00:07:02,169

continues for John Glenn and it

94

00:07:06,600 --> 00:07:03,999

continues beyond this room for

95

00:07:31,550 --> 00:07:06,610

friendship seven and it continues this

96

00:07:37,290 --> 00:07:34,200

these are John Glenn's ground-based

97

00:07:40,440 --> 00:07:37,300

co-pilots men he knows well with whom

98

00:07:43,230 --> 00:07:40,450

he's trained in whose judgment his wife

99

00:07:45,480 --> 00:07:43,240

is entrusted this day they are the

100

00:07:47,550 --> 00:07:45,490

flight controllers and from the mercury

101
00:07:50,190 --> 00:07:47,560
control center within view of the launch

102
00:07:52,200 --> 00:07:50,200
complex they make the decisions issue

103
00:07:54,690 --> 00:07:52,210
the command that will govern the course

104
00:07:56,730 --> 00:07:54,700
of the mission protected to these men

105
00:08:00,060 --> 00:07:56,740
throughout the plane will further facts

106
00:08:02,780 --> 00:08:00,070
needed for decision the scope of their

107
00:08:06,990 --> 00:08:02,790
responsibility of the entire operation

108
00:08:09,330 --> 00:08:07,000
defies comprehension now this very

109
00:08:12,120 --> 00:08:09,340
instant I the countdown for flight

110
00:08:15,450 --> 00:08:12,130
continues around the world on three

111
00:08:18,030 --> 00:08:15,460
continents on islands in ships and

112
00:08:20,640 --> 00:08:18,040
planes in lands where it's summer and

113
00:08:29,140 --> 00:08:20,650

tomorrow is near check and I Unsworth

114

00:08:29,150 --> 00:08:43,380

Roger Roger CPA market controllers

115

00:08:48,820 --> 00:08:46,300

northeaster Cape Canaveral 1,000 miles

116

00:08:51,130 --> 00:08:48,830

into the Atlantic dawn's early light

117

00:08:54,130 --> 00:08:51,140

bills over the British crown colony of

118

00:08:59,080 --> 00:08:54,140

Bermuda and station 2 in the mercury

119

00:09:01,330 --> 00:08:59,090

network proceed with the countdown the

120

00:09:03,850 --> 00:09:01,340

tracking and telemetry stations 18 at

121

00:09:06,520 --> 00:09:03,860

all form an avenue of electronic

122

00:09:09,040 --> 00:09:06,530

checkpoints around the world to monitor

123

00:09:26,410 --> 00:09:09,050

and communicate with friendship 7 as it

124

00:09:28,480 --> 00:09:26,420

passes overhead telemetry M&O all right

125

00:09:32,490 --> 00:09:28,490

radar is the eyes of distinction

126

00:09:36,040 --> 00:09:32,500

satisfied then telemetry is the ears

127

00:09:39,000 --> 00:09:36,050

each second telemetry will fear and

128

00:09:41,680 --> 00:09:39,010

record nearly 2,000 items of information

129

00:09:43,270 --> 00:09:41,690

radial down from friendship 7 addictive

130

00:09:45,400 --> 00:09:43,280

and in the months to come rocket

131

00:09:48,220 --> 00:09:45,410

engineers and scientists will find in

132

00:09:50,680 --> 00:09:48,230

telemetry records the answers needed for

133

00:09:54,670 --> 00:09:50,690

the folder space exploration of the

134

00:10:01,210 --> 00:09:54,680

beauty displays and recorders have been

135

00:10:07,630 --> 00:10:01,220

calibrated Rogers I kill white this is

136

00:10:15,680 --> 00:10:07,640

Eminem screen for jamming our understand

137

00:10:23,640 --> 00:10:20,820

latitude 5 degrees north longitude 10

138

00:10:25,800 --> 00:10:23,650

degrees west a spot in the Atlantic

139

00:10:28,830 --> 00:10:25,810

Ocean off the coast of Africa and

140

00:10:34,920 --> 00:10:28,840

station 3 the Rose not weights under the

141

00:10:40,630 --> 00:10:38,230

operating out of Trinidad rose not will

142

00:10:42,670 --> 00:10:40,640

communicate with friendship seven and

143

00:10:51,000 --> 00:10:42,680

monitor its journey as it streaks across

144

00:10:55,150 --> 00:10:53,110

impression this is bridge you're

145

00:11:21,300 --> 00:10:55,160

proceeding at slow speed at about five

146

00:11:26,130 --> 00:11:23,640

they own the mercury station on grand

147

00:11:28,740 --> 00:11:26,140

canary island in the spanish archipelago

148

00:11:32,040 --> 00:11:28,750

off of the African coast it's midday at

149

00:11:35,610 --> 00:11:32,050

station five and Conall Nigeria deep in

150

00:11:37,860 --> 00:11:35,620

the continent of Africa flight data

151

00:11:39,990 --> 00:11:37,870

recorded here at caño and at them

152

00:11:41,940 --> 00:11:40,000

tomorrow on Africa's East Coast will

153

00:11:55,500 --> 00:11:41,950

relay through this transmitting station

154

00:11:57,480 --> 00:11:55,510

to London and then on to America far to

155

00:11:59,640 --> 00:11:57,490

the southeast econo beyond a tenth of

156

00:12:01,800 --> 00:11:59,650

our station the ship's Bell of the

157

00:12:12,500 --> 00:12:01,810

coastal century tolls the twilight of

158

00:12:19,530 --> 00:12:17,040

to the east some 2,500 miles from the

159

00:12:22,320 --> 00:12:19,540

coastal centering just like it's the

160

00:12:25,230 --> 00:12:22,330

network eight station at new shade near

161

00:12:28,250 --> 00:12:25,240

Perth Western Australia halfway around

162

00:12:35,280 --> 00:12:28,260

the world from Cape Canaveral a printer

163

00:12:41,670 --> 00:12:35,290

thought display that's fine just take

164

00:12:43,710 --> 00:12:41,680

her up on it today februari 20th is fast

165

00:12:46,320 --> 00:12:43,720

fading over the Australian tracking site

166

00:12:50,550 --> 00:12:46,330

at mouche and woomera and when Glenn

167

00:12:53,520 --> 00:12:50,560

arrives tomorrow we'll greet him but

168

00:12:55,530 --> 00:12:53,530

north and east across the Pacific far

169

00:12:58,770 --> 00:12:55,540

beyond the mercury station on the coral

170

00:13:01,740 --> 00:12:58,780

a so-called Camden Island februari 20th

171

00:13:04,800 --> 00:13:01,750

is just minute old on Hawaii's Garden

172

00:13:15,660 --> 00:13:04,810

Island of Hawaii and their men prepare

173

00:13:17,940 --> 00:13:15,670

for the arrival of friendship 7 each

174

00:13:20,760 --> 00:13:17,950

word again deeper into the day that will

175

00:13:22,829 --> 00:13:20,770

soon awaken over the Americas each word

176

00:13:35,340 --> 00:13:22,839

to the Gulf of California and to the

177

00:13:35,350 --> 00:13:44,410

real good wait for liftoff

178

00:13:51,710 --> 00:13:47,809

M&O champ status three proceeding with

179

00:13:53,869 --> 00:13:51,720

free pass calibrations north of Mexico

180

00:13:56,059 --> 00:13:53,879

in the pre-dawn along the west coast of

181

00:13:57,979 --> 00:13:56,069

the United States the mountaintop

182

00:14:01,009 --> 00:13:57,989

station at point Arguello California

183

00:14:11,479 --> 00:14:01,019

waits out the long count down ready to

184

00:14:17,720 --> 00:14:11,489

track John Glenn right here a key what

185

00:14:20,179 --> 00:14:17,730

is prezi count her Roger southeast no to

186

00:14:21,889 --> 00:14:20,189

the farmlands of Texas where the station

187

00:14:28,280 --> 00:14:21,899

of Corpus Christi continues its

188

00:14:31,669 --> 00:14:28,290

preparations for flight Roger all

189

00:14:33,769 --> 00:14:31,679

systems with you please commence 35

190

00:14:35,809 --> 00:14:33,779

calibrations at this time let's count

191

00:14:42,289 --> 00:14:35,819

down is progressing Norfolk advise me

192

00:14:44,840 --> 00:14:42,299

when you have completed them far to the

193

00:14:46,999 --> 00:14:44,850

north and east of Corpus Christi beats

194

00:14:49,699 --> 00:14:47,009

the heart of the worldwide mercury

195

00:14:52,129 --> 00:14:49,709

network the computing and communication

196

00:14:55,129 --> 00:14:52,139

center that Bond's it into a working

197

00:14:58,489 --> 00:14:55,139

entity this is the Goddard Space Flight

198

00:15:00,499 --> 00:14:58,499

Center in Greenbelt Maryland through

199

00:15:02,749 --> 00:15:00,509

here follows the voice and teletype

200

00:15:05,509 --> 00:15:02,759

communications that link the global

201

00:15:07,429 --> 00:15:05,519

stations to mercury control the

202

00:15:09,439 --> 00:15:07,439

computers an able man two weeks

203

00:15:11,119 --> 00:15:09,449

judgments within the flashes of time

204

00:15:15,309 --> 00:15:11,129

allowed for control of the spacecraft

205

00:15:18,199 --> 00:15:15,319

that moves faster than a brain can react

206

00:15:20,119 --> 00:15:18,209

throughout the flight the computers will

207

00:15:22,329 --> 00:15:20,129

generate recommendations on whether the

208

00:15:24,949 --> 00:15:22,339

mission should continue or be aborted

209

00:15:26,960 --> 00:15:24,959

they will determine locations of the

210

00:15:29,809 --> 00:15:26,970

spacecraft the time it should begin

211

00:15:32,269 --> 00:15:29,819

re-entry the point at which it will land

212

00:15:35,509 --> 00:15:32,279

and the most vital of these findings

213

00:15:37,699 --> 00:15:35,519

will be transmitted instantaneously to

214

00:15:39,340 --> 00:15:37,709

Cape Canaveral what are the thoughts of

215

00:15:42,370 --> 00:15:39,350

a man about to rock

216

00:15:44,920 --> 00:15:42,380

to history glenn is the astronaut the

217

00:15:46,690 --> 00:15:44,930

man who will challenge space but he is

218

00:15:49,720 --> 00:15:46,700

just one member of an international

219

00:15:52,480 --> 00:15:49,730

scientific endeavor that requires the

220

00:15:54,580 --> 00:15:52,490

genius and skills of some 40,000 other

221

00:15:57,430 --> 00:15:54,590

men and women scattered throughout the

222

00:16:00,160 --> 00:15:57,440

world from the engineers and technicians

223

00:16:02,980 --> 00:16:00,170

who produce the face vehicle to the

224

00:16:04,810 --> 00:16:02,990

crews now preparing to launch it from

225

00:16:07,510 --> 00:16:04,820

the tracking experts who will charge his

226

00:16:10,900 --> 00:16:07,520

voice around the globe to the sailors

227

00:16:13,530 --> 00:16:10,910

now waiting at sea to recover him behind

228

00:16:16,720 --> 00:16:13,540

this day stands years the preparation of

229

00:16:20,260 --> 00:16:16,730

research and testing of planning and

230

00:16:24,310 --> 00:16:20,270

training and the purpose of it all is

231

00:16:26,410 --> 00:16:24,320

knowledge knowledge of space and of how

232

00:16:28,750 --> 00:16:26,420

effectively man and spacecraft can

233

00:16:31,600 --> 00:16:28,760

function together in a hostile

234

00:16:34,570 --> 00:16:31,610

environment knowledge that will serve as

235

00:16:38,050 --> 00:16:34,580

the basis for space explorations of the

236

00:16:42,060 --> 00:16:38,060

future hard-won knowledge of benefit to

237

00:17:00,870 --> 00:16:42,070

all men bought by sacrifice and

238

00:17:06,059 --> 00:17:03,750

now just a handful of Menace remain

239

00:17:08,189 --> 00:17:06,069

until the spacecraft through on the

240

00:18:34,350 --> 00:17:08,199

service our called for the pilot of

241

00:18:34,360 --> 00:20:55,590

oh ok John

242

00:21:02,409 --> 00:20:59,889

the sound of John Glenn's life his heart

243

00:21:04,690 --> 00:21:02,419

beat you here will flow from friendship

244

00:21:06,970 --> 00:21:04,700

seven throughout the flight in forming

245

00:21:11,259 --> 00:21:06,980

those on the ground how well he indoors

246

00:21:13,869 --> 00:21:11,269

the trials ahead into the soft light of

247

00:21:17,799 --> 00:21:13,879

this Florida Don emerges friendship

248

00:21:28,690 --> 00:21:17,809

seven making its debut to the day of its

249

00:21:36,770 --> 00:21:33,380

the mercury Atlas stands alone wait to

250

00:21:40,040 --> 00:21:36,780

depart this earth a quarter of a million

251
00:21:43,640 --> 00:21:40,050
pounds of rocket with thrust equal to

252
00:21:57,789 --> 00:21:43,650
three and a half million horsepower all

253
00:22:05,389 --> 00:22:01,750
all stations get me the launch position

254
00:22:08,269 --> 00:22:05,399
mr en espan beacons are on start

255
00:22:10,220 --> 00:22:08,279
interrogation at one minute the

256
00:22:12,590 --> 00:22:10,230
countdown sweeps closer to the moment of

257
00:22:14,240 --> 00:22:12,600
flight and recovery teams here at the

258
00:22:16,850 --> 00:22:14,250
cape and around the world ready

259
00:22:19,810 --> 00:22:16,860
themselves to aid the astronaut above

260
00:22:23,950 --> 00:22:19,820
all else John Glenn safety is paramount

261
00:22:26,870 --> 00:22:23,960
the dictating factor in all planning

262
00:22:29,500 --> 00:22:26,880
never in all of history have so many

263
00:22:33,230 --> 00:22:29,510

people shared without censorship an

264

00:22:35,750 --> 00:22:33,240

adventure of such magnitude through all

265

00:22:38,389 --> 00:22:35,760

news media in all languages all the

266

00:22:42,470 --> 00:22:38,399

peoples of the world are witness to this

267

00:22:57,910 --> 00:22:42,480

exploration of space to its success or

268

00:23:05,930 --> 00:23:02,300

hey minus 15 minute mark t minus 15

269

00:23:08,180 --> 00:23:05,940

minutes and going there will be no

270

00:23:14,180 --> 00:23:08,190

Smokey and a block out until further

271

00:23:17,830 --> 00:23:14,190

notice okay go ahead we don't belong

272

00:23:21,230 --> 00:23:17,840

I'll computer stand by on infinite Roger

273

00:23:23,840 --> 00:23:21,240

standing by revealing actually five

274

00:23:29,000 --> 00:23:23,850

minutes okay I've letting your to

275

00:23:31,760 --> 00:23:29,010

continue to count I should take it down

276

00:23:39,950 --> 00:23:31,770

to 3-7 will love we may have it by that

277

00:23:41,750 --> 00:23:39,960

project you want the whole purnima we

278

00:23:44,510 --> 00:23:41,760

would like to all the seven and rerun a

279

00:23:45,980 --> 00:23:44,520

beast if we loved our main power on the

280

00:23:48,020 --> 00:23:45,990

computer we just want to take that

281

00:23:52,160 --> 00:23:48,030

nothing else goes wrong when you have to

282

00:23:55,160 --> 00:23:52,170

make somewhere between five and ten

283

00:23:58,160 --> 00:23:55,170

minutes Dave can't you expedite make it

284

00:24:00,650 --> 00:23:58,170

five all stations are holding at six

285

00:24:14,320 --> 00:24:00,660

minutes and 30 seconds custom at five

286

00:24:18,670 --> 00:24:14,330

minutes we could let it go you're ready

287

00:24:23,030 --> 00:24:18,680

are you ready to continue okay go ahead

288

00:24:26,240 --> 00:24:23,040

type it your attention please Oh maman

289

00:24:33,810 --> 00:24:26,250

we will pick up the count at t-minus six

290

00:24:40,060 --> 00:24:37,600

the time there's and soon this earth

291

00:24:41,890 --> 00:24:40,070

path indicator in the capsule will begin

292

00:25:56,640 --> 00:24:41,900

showing John Glenn his changing

293

00:26:02,799 --> 00:25:59,230

freestyle writer-director any light is

294

00:26:07,290 --> 00:26:02,809

on he checked the umbilical oil evacuate

295

00:26:10,720 --> 00:26:07,300

43 umbilical clear for easy fights on

296

00:26:14,110 --> 00:26:10,730

our recorders to fast team under 18

297

00:26:16,419 --> 00:26:14,120

seconds and counting engine start hey

298

00:26:19,480 --> 00:26:16,429

the we would be with you from a good

299

00:26:54,350 --> 00:26:19,490

long ride all the way godspeed john

300

00:27:00,090 --> 00:26:58,500

your backup clock is started thank you

301

00:27:03,210 --> 00:27:00,100

for joining us for this edition of the

302

00:27:05,820 --> 00:27:03,220

astronauts part two of friendship seven

303

00:27:07,530 --> 00:27:05,830

will be shown in our next program which

304

00:27:10,950 --> 00:27:07,540

will highlight the historic spaceflight

305

00:27:12,780 --> 00:27:10,960

of John Glenn until then I'm Lynn