

## References

1. Neville Kidger, "Mir Space Station Update," *Spaceflight*, v. 37, March 1995, p. 99.
2. *Space Calendar*, Jan. 9-15 and Jan. 23-29, 1995.
3. David S. F. Portree, "Mir Hardware Heritage," NASA RP-1357, 1995, p. 117.
4. Portree, "Heritage," p. 146-147.
5. Kidger, "Mir...Update," p. 99.
6. Chris van den Berg, "MirNews" 242, Jan. 26, 1995.
7. NASA Public Affairs Office, STS-63 Mission Report.
8. William Harwood, "Thruster Problem Prompts Team Integration," *Space News*, Feb. 13-19, 1995.
9. *Space Calendar*, Jan. 30-Feb. 5, 1995.
10. Portree, "Heritage," p. 194.
11. NASA Kennedy Space Center, STS-63 Mission Highlights at (<http://www.ksc.nasa.gov/shuttle/missions/sts-63/mission-sts-63.html>).
12. Harwood, "Thruster Problem...."
13. Peter B. de Selding, "Shuttle-Mir Dockings Pose Logistics Problems," *Space News*, Feb. 20-27, 1995.
14. NASA KSC, STS-63 Mission Highlights.
15. *Space News*, Feb. 13-19, 1995.
16. Ben Iannotta, "Station Engineers Study Mir's Telltale Scars from Debris," *Space News*, March 22-April 2, 1995, p. 10.
17. Roelof Schuiling, "EVAs Follow Mir Rendezvous," *Spaceflight*, v. 37, May 1995, p. 155.
18. NASA KSC, STS-63 Mission Highlights.
19. van den Berg, "MirNews" 244, Feb. 12, 1995.
20. *Ibid.*
21. *Ibid.*
22. *Space Calendar*, Feb. 20-26, 1995.
23. Kaliningrad Mission Control Center, Mir 18 Status Report 1, March 14, 1995.
24. van den Berg, "MirNews" 247, March 16, 1995.
25. Kaliningrad MCC, Mir 18 Status Report 3, March 16, 1995.
26. William Harwood, "Thagard Joins Mir Cosmonauts," *Space News*, March 30-April 5, 1995.
27. Kaliningrad MCC, Mir 18 Status Report 4, March 17, 1995.
28. Neville Kidger, "Thagard Joins Cosmonauts," *Spaceflight*, v. 37, June 95, p. 190.
29. Neville Kidger, "Mir Docking Plans Meet with Success," *Spaceflight*, v. 37, July 95, p. 221.
30. Kaliningrad MCC, Mir 18 Status Reports 7 and 8, March 28 and 31, 1995.
31. Kidger, "Mir Docking Plans...", p. 222.
32. Kidger, "Mir Docking Plans...", p. 223.
33. *Ibid.*
34. van den Berg, "MirNews" 249, 250, 251—April 6, 12, 20, 1995.
35. van den Berg, "MirNews" 249, April 6, 1995.

36. NASA PAO, Mir 18 Mission Science Reports, April 19-25, 1995.
37. Kidger, "Mir Docking Plans....," p. 223.
38. NASA PAO, Mir 18 Mission Science Report, May 4, 1995.
39. van den Berg, "MirNews" 253 and 254, May 15 and 16, 1995.
40. Kaliningrad MCC, Mir 18 Status Report 20, May 12, 1995.
41. van den Berg, "MirNews" 255 and 256, May 17 and 18, 1995).
42. Craig Covault, "EVA Problems Delay Mir Station Changes," Aviation Week & Space Technology, v. 142, May 22, 1995, p. 65.
43. Kidger, "Mir Docking Plans....," p. 223.
44. Kidger, "Mir Docking Plans....," p. 224.
45. NASA PAO, Mir 18 Mission Science Report, May 22 and May 24, 1995.
46. Kidger, "Mir Docking Plans....," p. 224.
47. van den Berg, "MirNews" 259, May 26, 1995.
48. Kidger, "Mir Docking Plans....," p. 224.
49. Anser Center for International Aerospace Cooperation, Moscow Office Report 133, May 26, 1995.
50. Nicholas L. Johnson, The Soviet Year in Space, 1990. Colorado Springs, Colorado, Teledyne Brown Engineering, 1991, p. 98.
51. Mir Extension Assessment Team, "MEAT Mir Diagrams to Facilitate Joint Technical Discussions, Vol. I: Modules and Vehicles," [Johnson Space Center], Feb. 1996.
52. Kidger, "Euromir 95," Spaceflight, v. 37, Dec. 1995, p. 404.
53. L. Van den Ableen, "A Mir Matter of Change," Spaceflight, v. 37, Aug. 1995, p. 293.
54. "Spektr Module Soon to Augment Mir Station," 957A0681B SEGODNYA, 4/27/95 p. 9; translated in JPRS Report, Space Science and Engineering, FBIS-UST-95-030, p. 20.
55. NASA PAO, Internet Shuttle/Mir page.
56. Anser CIAC, "Moscow Office Report" 158, Nov. 10, 1995.
57. Kidger, "Mir Docking Plans....," p. 225.
58. Kaliningrad MCC, Mir 18 Mission Status Report 28, June 9, 1995.
59. Kidger, "Mir Docking Plans ....," p. 225.
60. Kaliningrad MCC, Mir 18 Mission Status Report 28, June 9, 1995.
61. Kidger, "Historic....," p. 274.
62. van den Berg, "MirNews" 264, June 17, 1995.
63. Kidger, "Historic....," p. 274.
64. NASA Advisory Council Task Force on the Shuttle-Mir Rendezvous and Docking Missions, Fifth Report, Sept. 21, 1995, part 2, p. 6.
65. Kaliningrad MCC, Mir 18 Status Report 31, June 20, 1995.
66. Portree, "Heritage," p. 34.
67. Neville Kidger, "Development of the Orbiter Docking system," Spaceflight v. 37 June 1995, p. 188.
68. Neville Kidger, "STS-71 Docking Plans," Spaceflight, v. 37, June 1995, p. 187.
69. Portree, "Heritage," p. 166.
70. James R. Asker, "Shuttle Docking System Performs Many Tasks," Aviation Week and Space Technology, v. 143, July 3, 1995, p. 21.

71. Kidger, "Historic...", p. 275.
72. STS-71 Mission Control Center Reports, NASA STS-71 homepage, MCC Status Reports 1, 2, & 3, June 27-28, 1995.
73. James T. McKenna, "Atlantis Mission Verifies Mir Rendezvous Scheme," *Aviation Week & Space Technology*, Nov. 21, 1994, p. 101.
74. Kidger, "Historic...", p.275.
75. STS-71MCC Status Report 4, June 29, 1995.
76. Kidger, "Historic...", pp.276-277.
77. STS-71 MCC Status Reports 5 and 6, June 29-30, 1995.
78. Kidger, "Historic...", pp. 276-277.
79. STS-71 MCC Status Reports 7 and 8, June 30-31, 1995.
80. Kidger, "Historic...", p. 277.
81. Roelof L. Schuiling, "First Docking Mission," *Spaceflight*, v. 37, Oct. 1995, p. 333.
82. Ben Huset, "Mirwatch," Aug. 1995.
83. James T. McKenna, "Joint Flight Proves Shuttle-Mir Plans," *Aviation Week & Space Technology*, July 10, 1995, p. 22.
84. STS-71 MCC Status Reports 16, 18, 20, July 5, 6, 7, 1995.
85. NASA Advisory Council Task Force on the Shuttle-Mir Rendezvous and Docking Missions, Fifth Report, Sept. 21, 1995, part 2, p. 6.
86. van den Berg, "MirNews" 266, July 17, 1995.
87. Neville Kidger, "Three EVAs for Mir Duo," *Spaceflight*, v. 37, Sept. 95, p. 311.
88. Ibid.
89. van den Berg, "MirNews" 266, July 17, 1995.
90. Kidger, "Three EVAs...", p. 311.
91. Craig Covault, "EVAs, Station Changes Keep Cosmonauts Busy," *Aviation Week and Space Technology*, July 24, pp. 62-63.
92. Kidger, "Three EVAs...", p. 311.
93. van den Berg, "MirNews" 268, July 22, 1995.
94. *Space Calendar*, Aug. 28-Sept 3, 1995.
95. van den Berg, "MirNews" 269, Aug. 26, 1995.
96. Kidger, "Euromir 95," p. 404.
97. ESA Press Release 23-95, Paris, Sept. 4, 1995.
98. Roelof L. Schuiling, "First Docking Mission," *Spaceflight*, v. 37, Oct. 1995, p. 335.
99. van den Berg, "MirNews" 272, Sept 11, 1995.
100. "ESA Astronaut Selected for Euromir 95," *Spaceflight*, v. 37, May 1995, p. 175.
101. Kidger, "Euromir 95," p. 403.
102. Anser CIAC, Moscow Office Report 155, Oct. 20, 1995.
103. ESA Press Releases 18-95, 42-95, and 43-95.
104. Huset, "Mirwatch," Nov. 1995.
105. Peter B. de Selding, "ESA, Russia Discuss Mir Mission Extension," *Space News*, v. 6, no. 40, Oct. 16-22, 1995.
106. ESA Press Release 42-95.
107. Kidger, "Euromir 95," p. 404.

108. ESA Press Releases 18-95, 42-95, and 08-96.
109. Huset, "Mirwatch," Nov. 1995.
110. Craig Covault, "Mir Crew Repairs Air Scrubbing System," *Aviation Week and Space Technology*, V. 143, Nov.6, 1995, p. 27.
111. Huset, "Mirwatch ," Nov., Dec., 1995.
112. Peter B. de Selding, "Mir Cosmonauts Testing Air Cleaner that Uses Microbes to Convert Gases," *Space News*, v. 6, no. 43, Nov. 6-12, 1995.
113. NASA Public Affairs Office, STS-74 Press Kit.
114. Roelof L. Schuiling, "Module for Mir," *Spaceflight*, v. 38, Jan 1996, p. 5.
115. William Harwood, "Canadian Astronaut to Erect Docking Module on Mir," *Space News* v. 6, no. 43, Nov. 6-12, 1995.
116. Dennis Newkirk, "New Module for Mir, Spaceflight," v. 37, Nov.1995, p. 369.
117. Portree, "Heritage," p. 166.
118. NASA PAO, STS-74 Press Kit, "Orbiter Docking System."
119. NASA PAO, STS-74 Press Kit, "Mission Summary."
120. Roelof Schuiling, "Second Shuttle Docking with Mir," *Spaceflight* ,v. 38, March 96, pp. 90-91.
121. NASA PAO, STS-74 Press Kit, "Mir Cooperative Solar Array Program."
122. Friends and Partners in Space homepage, MSCA description by Gabriel R. Katell.
123. James R. Asker, "Atlantis Passes First Space Station Assembly Test," *Aviation Week and Space Technology*, v. 143, Nov. 20, 1995, p. 91.
124. Roelof Schuiling, "Second Shuttle Docking....," p. 90.
125. Ibid.
126. Asker, "Atlantis Passes....," pp. 90.-91.
127. James R. Asker, "Module Delivery Offers Mir Image of New Station," *Aviation Week and Space Technology*, Dec. 11, 1995, pp. 60-61.
128. NASA PAO, STS-74 Press Kit.
129. Asker, "Atlantis Passes....," pp. 90-91.
130. Neville Kidger, "Mir Highlights," *Spaceflight*, v. 38, March 1996, p. 93.
131. Ibid.
132. Theo Pirard, "Art Exhibition in Space." *Spaceflight*, v. 38, Feb. 1996, p.64.
133. Kidger, "Highlights," p. 93.
134. Ibid.
135. Neville Kidger, "Science Tasks and EVA for Crew," *Spaceflight*, v. 38, April 1996, p. 140.
136. Ibid.
137. Portree, "Heritage," p. 121.
138. van den Berg, "MirNews" 289, Feb. 16, 1996.
139. ESA Press Releases 08-96 and 09-96.
140. Kidger, "Science Tasks....," p. 141.
141. Kidger, "Crew Change at Mir," *Spaceflight*, v. 38, May 1996, p. 152.
142. Ibid.
143. Ibid.
144. van den Berg, "MirNews" 292, Feb. 29, 1996.

145. Kidger, "Crew Change....," p. 153.
146. Huset, "Mirwatch." April 1996.
147. van den Berg, "MirNews" 293 and 294, March 13 and 15, 1996.
148. NASA PAO, STS-76 Mission Status Reports 1 and 2, March 22, 1996.
149. NASA PAO, STS-76 Mission Status Reports 2 and 3, March 22 & 23, 1996.
150. NASA PAO, STS-76 Mission Status Report 3, March 23, 1996.
151. NASA PAO, STS-76 Mission Status Report 4 March 24, 1996.
152. NASA PAO, STS-76 Press Kit, "Mir Rendezvous and Docking."
153. NASA PAO, STS-76 Mission Status Reports 4 and 5, March 24, 1996.
154. James R. Asker, "Mir Spacewalk Set for Atlantis Crew," Aviation Week & Space Technology, March 18, 1996, p. 61.
155. NASA PAO, STS-76 Mission Status Report 8 March 26, 1996.
156. NASA PAO, STS-76 Press Kit.
157. Ibid.
158. Ibid.
159. NASA PAO, STS-76 Mission Status Reports 8 and 9, March 26, 1996.
160. NASA PAO, STS-76 Press Kit.
161. Ibid.
162. NASA PAO, STS-76 Mission Status Report 10, March 27, 1996.
163. NASA PAO, STS-76 Mission Status Report 12 March 28, 1996.
164. Johnson Space Center, Space News Roundup, April 5, 1996, p. 4.
165. NASA PAO, STS-76 Mission Status Report 17, March 30, 1996.
166. Moscow Mission Control Center, Mir Status Reports 1,2 and 3, April 5, 12, and 19, 1996.
167. "Russians Delay Launch of Priroda Module," Aviation Week and Space Technology, Feb. 5, 1996, p. 64.
168. Joseph C. Anselmo, "Priroda, Mir Dock," Aviation Week & Space Technology, May 6, 1996, p. 63.
169. Mir Extension Assessment Team, p. 7-9.
170. Gary H. Kitmacher, "Integration of Systems on Mir Processes and Comparisons," presented at the 33rd Space Congress, [Location?] April 23-26, 1996.
171. "The Priroda Mission," (<http://www.ba.dlr.de/NE-WS/ws5/priroda.html>).
172. Anser CIAC, Moscow Office Report 183.
173. van den Berg, "MirNews" 300, April 26, 1996.
174. Ibid.
175. Moscow MCC, Mir Status Report 5, May 3, 1996) (Mir 21 Weekly Update from NASA Home Page, June 14, 1996.
176. Mission Control Center, Moscow, Mir Status Reports 6 and 7, May 10 and May 17, 1996.
177. "News breaks," Aviation Week and Space Technology, May 27, 1996, p. 16.
178. Moscow MCC, Mir Status Report 8, May 24, 1996.
179. van den Berg, "MirNews" 305, May 21, 1996.
180. Florida Today, "Space Today," May 25, 1996.
181. Moscow MCC, Mir Status Report 9, May 31, 1996.

182. Moscow MCC, Mir Status Report 10, June 7, 1996.
183. van den Berg, "MirNews" 309, June 7, 1996.
184. Moscow MCC, Mir Status Report [11] June 14, 1996.
185. van den Berg, "MirNews" 310, June 13, 1996.
186. Moscow MCC, Mir Status Reports [11], [12], and 13, June 14, 21, and 28, 1996.
187. Moscow MCC, Mir Weekly Update, Aug. 2, 1996.
188. Moscow MCC, Mir Status Report 19, Aug. 9, 1996.
189. Centre National d'Etudes Spatiales, Cassiopee press releases, Aug. 21-Sept. 17, 1996.  
([www.cnes.fr/IO\\_Vol\\_habit/cas](http://www.cnes.fr/IO_Vol_habit/cas))