





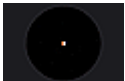

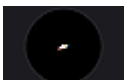









































IMAGE LIST

	1. Title logo		16. Paper/ink writing		31. Herschel telescope		46. Moon
	2. Blue star chord		17. Shaman/religious symbols		32. Mars telescope view		47. Earth rise
	3. Blue star		18. Sky religious symbols -A-		33. Saturn telescope view		48. Andromeda 4" view
	4. Surrounding stars -A-		19. Sky religious symbols -B-		34. Perseus telescope view		49. Andromeda 8" view
	5. Surrounding stars -B-		20. Egyptian Sun worship		35. Yerkes Observatory		50. Andromeda 8" photo
	6. Andromeda Galaxy		21. Early Greek gods		36. Lick Observatory		51. Star birth
	7. Earth/glaciers		22. Astrologer in study		37. Green Bank Observatory		52. Star clusters
	8. Humanoid observers		23. Early star chart		38. Pioneer		53. Galaxies
	9. Bone calendar		24. Church window: Stars (vertical)		39. Venus		54. Andromeda astrophoto
	10. Galaxy chord		25. Church window: Heavens (vertical)		40. Viking		55. Zeroes graphic
	11. Cave paintings -A-		26. Church window: God (vertical)		41. Mars		56. Future Earth
	12. Cave paintings -B-		27. Geocentric chart		42. SF montage -A-		57. Light speed graphic
	13. Cave dweller observers		28. Astronomers cast out		43. SF montage -B-		58. Light year graphic
	14. Tribal storyteller		29. Uraniborg		44. SF montage -C-		59. Andromeda dist. graphic
	15. Clay tablet writing		30. Kepler/Brahe drawings		45. Earth chord		60. Flashlight

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LIGHT YEARS FROM ANDROMEDA

IMAGE LIST





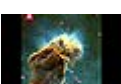
	61. Apollo laser reflector		76. Moon dist.graphic		91. Early universe -B-		106. HST Planetary Nebula
	62. Lunar laser ranging -A- (vertical)		77. Saturn		92. Early universe -C-		107. HST Eta Carina
	63. Lunar laser ranging -B- (vertical)		78. Saturn dist. graphic		93. Ulysses		108. HST Lagoon Nebula
	64. Moon		79. Sirius dist. graphic		94. Ulysses speed limit sign		109. HST Hourglass Nebula
	65. Moon distance graphic		80. Betelgeuse dist. graphic		95. Light speed limit sign		110. HST Cat's Eye Nebula
	66. Sun		81. Rigel dist.graphic		96. Ancient observers		111. HST Cartwheel Galaxy
	67. Sun distance graphic		82. Big Bang sequence -A-		97. Modern observers		112. Futuristic spaceship
	68. Voyager		83. Big Bang sequence -B-		98. Hubble Space Telescope		113. Deep space object
	69. Saturn		84. Big Bang sequence -C-		99. Voyager		114. Writer/ Producer credit
	70. Saturn distance graphic		85. Big Bang sequence -D-		100. Space shuttle launch		115. Artists/ Music credit
	71. Earth		86. Big Bang sequence -E-		101. Apollo photo		116. Special Thanks credit
	72. Earth/light beam		87. Big Bang sequence -F-		102. Viking Mars photo		117. Copyright/ Logo credit
	73. Sound speed limit sign		88. Quasar		103. Sun		
	74. Light speed limit sign		89. Quasar dist. graphic		104. Quasar		
	75. Moon		90. Early universe -A-		105. HST Eagle Nebula		



IMAGE LIST

MULTI-PANEL IMAGES

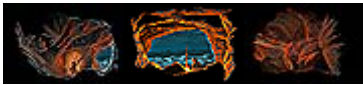
A | B | C



M1. Primitives pan



M3. Glacier/humanoids pan



M4. Cave interior pan



M5. Gas and dust clouds pan



M6. Cave/tool makers pan



M7. Agriculture/crafts pan



M8. Apollo landing site pan



M9. Backyard pan

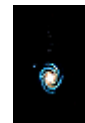
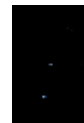
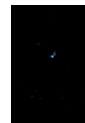


M10. VLA pan



M2. Distant galaxies all-sky

A | B | C | D | E | F





time	visuals	audio	
:00	HOUSE LIGHTS fade		1
	1. Title logo	<i>(opening music: 36 seconds)</i>	2
:15			3
:36	2. Blue star chord	A long time ago, in a galaxy far, far away . . . a beam of light left a blazing blue star -- one of countless beams escaping the fiery surface every second, in every direction, into the black cold of space.	4
			5
			6
			7
			8
			9
			10
			11
		<i>(music bridge: 7 seconds)</i>	12
			13
1:01	3. Blue star	This beam of light -- traveling in a particular direction from the star -- was joined by rays from surrounding stars; together, they rushed through space at a tremendous speed.	14
			15
	4. Surrounding stars -A-		16
	5. Surrounding stars -B-		17
			18
			19
			20
		<i>(music bridge: 9 seconds)</i>	21
			22
1:24	6. Andromeda galaxy	Centuries passed while the light sped on its journey outward from its galactic home . . . thousands of centuries . . .	23
			24
			25
		<i>(music segue: 13 seconds)</i>	



time	visuals	audio	
1:47	M1. Primitives pan	<p>In another galaxy, on one planet circling about a medium-sized yellow star, semi- intelligent beings inhabited lush areas of a large continent.</p>	1 2 3 4 5 6
2:01		<p>They were hunters -- traveling in groups, bound by primitive social instincts. Their main concerns were food and shelter, and they depended on each other for survival.</p>	7 8 9 10 11 12
2:12		<p>They did not have the intellect necessary to ponder the sky. Stargazing was not essential to survival.</p>	13 14 15 16 17
2:35	M2. Distant galaxies all-sky	<p style="text-align: center;"><i>(music segue: 8 seconds)</i></p> <p>For two million years of its travel, the light passed through: nothing. All it encountered was the space between galaxies -- cold, featureless, devoid of stars. As it traveled through this vast emptiness, the beam of light maintained a constant velocity, racing to a distant fate . . .</p>	18 19 20 21 22 23 24 25



time	visuals	audio	
		<i>(music segue: 6 seconds)</i>	1
			2
3:07	7. Earth/glaciers	<p>During those two million years, climate changes affected the planet. In some areas, the warm weather of earlier times slowly gave way to chilling winds and ever-lengthening winters. The planet was entering into the frigid jaws of an Ice Age.</p>	3 4 5 6 7 8 9 10
3:28		<p>Massive glaciers began to advance down the continents, covering hunting grounds and obliterating everything in their paths.</p>	11 12 13 14
	M3. Glacier/humanoids pan	<p>Already some of the hunters were having trouble finding food to keep themselves alive, even though evolutionary changes had better equipped them to survive the cold and desolation.</p>	15 16 17 18 19 20 21 22 23
3:38		<i>(music bridge: 4 seconds)</i>	24 25
3:53	8. Humanoid observers	<p>Did any of these primitives ever stop in the midst of searching for food to gaze skyward . . . at the stars . . . ?</p>	