







Winter Solstice Timeline of Solar Interactions with Paint Rock Pictographs

Star symbol (★) shows each painting's approx. location between fence on west end of site and gravel turnaround on east end.

8:12 AM - 8:43 AM	 <p>(W) Fence ----- ★ ----- Turnaround (E) Light slowly touches each notch beside the canoe in sequence, and the canoe appears to "float" on shadow at 8:37.</p>
10:00 AM - 10:36 AM	 <p>(W) Fence --- ≈ 80 steps → ★ ----- Turnaround (E) A narrow shaft of sunlight pierces the buffalo's head, then gradually widens.</p>
10:12 AM	 <p>(W) Fence ----- ★ ----- Turnaround (E) Sunlight points to the ball player's ball while the shadow line provides a platform for his right foot and cuts off his left foot. Meanwhile, a sun dagger touches the faint white hummingbird above (appears black under DStretch).</p>
10:14 AM - 11:19 AM	 <p>(W) Fence ----- ★ ← ≈ 60 steps --- Turnaround (E) A shaft of light pierces the circle and then gradually widens until the circle is (almost) fully illuminated.</p>
10:24 AM	 <p>Macaw Etched Circle (W) Fence ----- ★ Turnaround (E) A shadow line bisects the etched circle representing Changing Woman's genitalia. On the adjacent rock face, the same shadow line provides a perch for the macaw and a platform for the circular part of a nearby glyph.</p>
11:12 AM	 <p>(W) Fence ----- ★ ← ≈ 63 steps --- Turnaround (E) A shadow line bisects the sun symbol while grazing the top of a nearby buffalo's horns. The buffalo's horns are cleverly depicted by natural grooves in the rockface rather than pigment.</p>

11:30 AM - 12:09 PM	<div data-bbox="328 105 636 289"></div> <div data-bbox="660 105 985 289"></div> <div data-bbox="1010 105 1399 289"></div> <p>(W) Fence ----- ★ ----- Turnaround (E) The tip of a sun dagger points to each of five hash marks above a striped circle. When light touches the final hash mark, the circle is fully illuminated, and the first spot of light appears on the nearby water drum (pictured below).</p>
12:08 PM - 12:38 PM	<div data-bbox="461 438 709 623"></div> <div data-bbox="735 438 1000 623"></div> <div data-bbox="1024 438 1263 623"></div> <p>(W) Fence ----- ★ ----- Turnaround (E) A sun dagger gradually grows until it very nearly touches the dead center of the water drum right at solar noon.</p>
12:42 PM - 1:52 PM	<div data-bbox="264 732 521 917"></div> <div data-bbox="545 732 873 917"></div> <div data-bbox="898 732 1144 917"></div> <div data-bbox="1169 732 1463 917"></div> <p>(W) Fence ----- ★ ----- Turnaround (E) A notch of sunlight points to (most of) the windows on this mission in sequence.</p>
1:00 PM - 2:01 PM	<div data-bbox="355 1033 649 1218"></div> <div data-bbox="677 1033 1015 1218"></div> <div data-bbox="1039 1033 1369 1218"></div> <p>(W) Fence ★ ----- Turnaround (E) Over the course of an hour, several interesting shadow patterns appear on two circles connected by a slanted line.</p>
12:56 PM - 1:28 PM	<div data-bbox="477 1331 971 1516"></div> <div data-bbox="995 1331 1245 1516"></div> <p>(W) Fence ★ ----- Turnaround (E) For about thirty minutes or so, half of the figures in this panel are decapitated by a shadow line while the figure on the right appears to prop the shadow up with raised palms. Image detail has been enhanced with DStretch.</p>
3:44 PM	<div data-bbox="388 1661 764 1845"></div> <div data-bbox="789 1661 1336 1845"></div> <p>(W) Fence ★ ----- Turnaround (E) A shadow line connects the illuminated bow and arrow of the archer on the right with the gap between the central figure's decapitated head and severed left hand. Image detail has been enhanced with DStretch.</p>