



URL: <http://helioviewer.org/>

Grade

Overall Grade: B (Ruleset applied: YSlow(V2))

F	<p>Make fewer HTTP requests</p> <p>This page has 15 external Javascript scripts. Try combining them into one. This page has 7 external stylesheets. Try combining them into one. This page has 13 external background images. Try combining them with CSS sprites.</p>
F	<p>Use a Content Delivery Network (CDN)</p> <p>There are 43 static components that are not on CDN.</p> <p>You can specify CDN hostnames in your preferences. See YSlow FAQ for details.</p> <ul style="list-style-type: none"> • http://helioviewer.org/lib/yui-2.8.2r1/reset-fonts.css • http://helioviewer.org/.../jquery-ui-1.8.custom.css • http://helioviewer.org/lib/jquery.jgrowl/jquery.jgrowl.css • http://helioviewer.org/.../imgareaselect-default.css • http://helioviewer.org/build/css/helioviewer.min.css?... • http://helioviewer.org/resources/css/dot-luv.css • http://helioviewer.org/resources/css/tooltips-LEGACY.css • http://www.google-analytics.com/ga.js • http://ajax.googleapis.com/.../jquery.min.js • http://ajax.googleapis.com/.../jquery-ui.min.js • http://helioviewer.org/lib/jquery.class/jquery.class.min.js • http://helioviewer.org/.../jquery.qtip-1.0.min.js • http://helioviewer.org/.../jquery.mousewheel.min.js • http://helioviewer.org/.../jquery.jgrowl_compressed.js • http://helioviewer.org/.../jquery.imgareaselect.pack.js • http://helioviewer.org/lib/date.js/date-en-US.js • http://helioviewer.org/.../jquery.jfeed.js • http://helioviewer.org/.../jquery.xml2json.pack.js • http://helioviewer.org/.../jquery.json-2.2.min.js • http://helioviewer.org/.../jquery.cookie.min.js • http://helioviewer.org/.../jquery.cookiejar.pack.js • http://helioviewer.org/build/helioviewer.min.js?... • http://helioviewer.org/.../gradient_v5-optimized.png • http://helioviewer.org/.../ui-bg_gloss-wave_20_11111_500x100.png • http://helioviewer.org/.../glass_button_square_24px_white.png • http://helioviewer.org/.../glass_slider_trough_vertical_white.png • http://helioviewer.org/.../glass_slider_handle_white.png • http://helioviewer.org/.../transparentBGWhite.png • http://helioviewer.org/.../ui-icons_e8e8e8_256x240.png • http://helioviewer.org/.../ui-bg_dots-small_20_333333_2x2.png • http://helioviewer.org/.../LayerManagerButton_Visibility_Visible.png • http://helioviewer.org/.../glass_slider_trough_horizontal_white.png • http://helioviewer.org/resources/images/ajax-loader.gif • http://helioviewer.org/.../ui-bg_gloss-wave_20_11111_500x100_transparent_15.png • http://helioviewer.org/.../transparentBG50.png • http://helioviewer.org/api/index.php?... • http://helioviewer.org/api/index.php?... • http://helioviewer.org/api/index.php?... • http://helioviewer.org/api/index.php?... • http://helioviewer.org/resources/images/logos/simple.png • http://helioviewer.org/.../calendar_small.png • http://helioviewer.org/.../youtube.png • http://helioviewer.org/favicon.ico
A	<p>Avoid empty src or href</p>
B	<p>Add Expires headers</p> <p>There is 1 static component without a far-future expiration date.</p> <ul style="list-style-type: none"> • http://www.google-analytics.com/ga.js

C	Compress components with gzip There are 2 plain text components that should be sent compressed <ul style="list-style-type: none"> • http://helioviewer.org/api/index.php?... • http://helioviewer.org/api/index.php?...
A	Put CSS at top
A	Put JavaScript at bottom
C	Avoid CSS expressions There are a total of 10 expressions <ul style="list-style-type: none"> • http://helioviewer.org/lib/jquery.jgrowl/jquery.jgrowl.css
n/a	Make JavaScript and CSS external Only consider this if your property is a common user home page. <ul style="list-style-type: none"> • There are a total of 17 inline scripts
A	Reduce DNS lookups
A	Minify JavaScript and CSS There is 1 component that can be minified <ul style="list-style-type: none"> • http://helioviewer.org/.../jquery.jfeed.js
A	Avoid URL redirects
A	Remove duplicate JavaScript and CSS
A	Configure entity tags (ETags)
C	Make AJAX cacheable There are 5 XHR components that are not cacheable <ul style="list-style-type: none"> • http://helioviewer.org/api/index.php?... • http://helioviewer.org/api/?... • http://helioviewer.org/api/index.php?... • http://helioviewer.org/api/index.php?... • http://helioviewer.org/api/index.php?...
A	Use GET for AJAX requests
A	Reduce the number of DOM elements
A	Avoid HTTP 404 (Not Found) error
A	Reduce cookie size
A	Use cookie-free domains
A	Avoid AlphaImageLoader filter
A	Do not scale images in HTML

A Make favicon small and cacheable

Components

The page has a total of **50** components and a total weight of **301.6K** bytes

TYPE	SIZE (KB)	GZIP (KB)	COOKIE RECEIVED (bytes)	COOKIE SENT (bytes)	URL	EXPIRES (Y/M/D)	RESPONSE TIME (ms)	ETAG
doc	16.1K	4.2K		246	http://helioviewer.org/	no expires	37	
js	27.0K	11.7K			http://www.google-analytics.com/ga.js	2011/5/27	61	
js	72.1K	24.6K			http://ajax.googleapis.com/ajax/libs/jquery/1.4.2/jquery.min.js	2012/5/25	63	
js	196.5K	50.7K			http://ajax.googleapis.com/ajax/libs/jqueryui/1.8.6/jquery-ui.min.js	2012/5/25	66	
js	0.5K	0.3K			http://helioviewer.org/lib/jquery.class/jquery.class.min.js	2011/8/24	67	
js	22.9K	9.6K			http://helioviewer.org/lib/jquery.qtip-1.0-r54/jquery.qtip-1.0.min.js	2011/8/24	67	
js	1.1K	0.5K			http://helioviewer.org/lib/jquery.mousewheel.3.0.2/jquery.mousewheel.min.js	2011/8/24	68	
js	5.3K	1.6K			http://helioviewer.org/lib/jquery.jgrowl/jquery.jgrowl_compressed.js	2011/8/24	68	
js	8.0K	4.1K			http://helioviewer.org/lib/jquery.imgareaselect-0.9.2/scripts/jquery.imgareaselect.pack.js	2011/8/24	69	
js	30.6K	8.7K			http://helioviewer.org/lib/date.js/date-en-US.js	2011/8/24	70	
js	3.7K	0.8K			http://helioviewer.org/lib/jquery.iframe/build/jquery.iframe.js	2011/8/24	71	
js	2.2K	1.3K			http://helioviewer.org/lib/jquery.xml2json/jquery.xml2json.pack.js	2011/8/24	70	
js	2.2K	0.9K			http://helioviewer.org/lib/jquery.json-2.2/jquery.json-2.2.min.js	2011/8/24	71	
js	0.7K	0.4K			http://helioviewer.org/lib/jquery.cookie/jquery.cookie.min.js	2011/8/24	70	
js	2.1K	1.1K			http://helioviewer.org/lib/Cookiejar/jquery.cookiejar.pack.js	2011/8/24	70	
js	143.5K	37.1K			http://helioviewer.org/build/helioviewer.min.js?rev=564	2011/8/24	73	
css	1.2K	0.6K			http://helioviewer.org/lib/yui-2.8.2r1/reset-fonts.css	2011/8/24	55	
css	30.8K	5.8K			http://helioviewer.org/lib/jquery.ui-1.8/css/dot-luv-modified/jquery-ui-1.8.custom.css	2011/8/24	56	
css	4.1K	0.8K			http://helioviewer.org/lib/jquery.jgrowl/jquery.jgrowl.css	2011/8/24	56	
css	0.7K	0.2K			http://helioviewer.org/lib/jquery.imgareaselect-0.9.2/css/imgareaselect-default.css	2011/8/24	57	
css	15.1K	3.9K			http://helioviewer.org/build/css/helioviewer.min.css?rev=564	2011/8/24	58	
css	1.2K	0.5K			http://helioviewer.org/resources/css/dot-luv.css	2011/8/24	59	
css	0.2K	0.1K			http://helioviewer.org/resources/css/tooltips-LEGACY.css	2011/8/24	60	
cssimage	32.8K				http://helioviewer.org/resources/images/backgrounds/gradient_v5-optimized.png	2011/8/24	85	
cssimage	1.6K				http://helioviewer.org/lib/jquery.ui-1.8/css/dot-luv-modified/images/ui-bg_gloss-wave_20_111111_500x[snip]	2011/8/24	88	
cssimage	0.5K				http://helioviewer.org/resources/images/blackGlass/glass_button_square_24px_white.png	2011/8/24	91	
cssimage	0.1K				http://helioviewer.org/resources/images/blackGlass/glass_slider_trough_vertical_white.png	2011/8/24	91	
cssimage	0.4K				http://helioviewer.org/resources/images/blackGlass/glass_slider_handle_white.png	2011/8/24	92	
cssimage	0.1K				http://helioviewer.org/resources/images/blackGlass/transparentBGWhite.png	2011/8/24	93	
cssimage	5.3K				http://helioviewer.org/lib/jquery.ui-1.8/css/dot-luv-modified/images/ui-icons_e8e8e8_256x240.png	2011/8/24	93	
cssimage	0.08K				http://helioviewer.org/lib/jquery.ui-1.8/css/dot-luv-modified/images/ui-bg_dots-small_20_333333_2x2[snip]	2011/8/24	94	
cssimage	0.5K				http://helioviewer.org/resources/images/blackGlass/LayerManagerButton_Visibility_Visible.png	2011/8/24	95	
cssimage	0.1K				http://helioviewer.org/resources/images/blackGlass/glass_slider_trough_horizontal_white.png	2011/8/24	96	
cssimage	0.6K				http://helioviewer.org/resources/images/ajax-loader.gif	2011/8/24	97	
cssimage	1.5K				http://helioviewer.org/resources/images/backgrounds/ui-bg_gloss-wave_20_111111_500x100_transparent_1[snip]	2011/8/24	97	

cssimage	0.1K				http://helioviewer.org/resources/images/blackGlass/transparentBG50.png	2011/8/24	98	
image	12.8K				http://helioviewer.org/api/index.php?action=getTile&uri=%2FAIA%2F304%2F2011%2F05%2F26%2F2011_05_26_[snip]	2011/8/24	102	
image	12.9K				http://helioviewer.org/api/index.php?action=getTile&uri=%2FAIA%2F304%2F2011%2F05%2F26%2F2011_05_26_[snip]	2011/8/24	110	
image	12.9K				http://helioviewer.org/api/index.php?action=getTile&uri=%2FAIA%2F304%2F2011%2F05%2F26%2F2011_05_26_[snip]	2011/8/24	118	
image	12.6K				http://helioviewer.org/api/index.php?action=getTile&uri=%2FAIA%2F304%2F2011%2F05%2F26%2F2011_05_26_[snip]	2011/8/24	127	
image	3.2K				http://helioviewer.org/resources/images/logos/simple.png	2011/8/24	135	
image	0.6K				http://helioviewer.org/resources/images/blackGlass/calendar_small.png	2011/8/24	137	
image	3.4K				http://helioviewer.org/resources/images/Social.me/48%20by%2048%20pixels/youtube.png	2011/8/24	137	
image †	0.03K				http://www.google-analytics.com/_utm.gif?utmwv=4.9.4&utms=6&utmh=57352604&utmhn=helioviewer.org&utm[snip]	2000/4/19	42	
favicon	1.1K				http://helioviewer.org/favicon.ico	2012/5/25	140	
xhr	2.5K			246	http://helioviewer.org/api/index.php?action=getDataSources	no expires	26	
xhr	29.2K	7.2K		246	http://helioviewer.org/api/?action=getNewsFeed	no expires	340	
xhr	16.3K				http://helioviewer.org/api/index.php?action=getUserVideos&pageSize=20&pageNum=1	no expires	4767	
xhr	0.2K			246	http://helioviewer.org/api/index.php?action=getClosestImage&sourceId=13&date=2011-05-26T19%3A24%3A00[snip]	no expires	15	
xhr	0.1K				http://helioviewer.org/api/index.php?action=getEventFRMs&startDate=2011-05-26T07%3A24%3A00.616Z&endD[snip]	no expires	4746	

* type column indicates the component is loaded after window onload event
† denotes 1x1 pixels image that may be image beacon

Stats

The page has a total of **50** HTTP requests and a total weight of **301.6K** bytes with empty cache

WEIGHT GRAPHS

Empty Cache

HTTP Requests - 50

Total Weight - 301.6K

1 HTML/Text	4.2K
15 JavaScript File	154.3K
7 Stylesheet File	12.2K
13 CSS Image	44.4K
8 Image	58.7K
1 Favicon	1.1K
5 XMLHttpRequest	26.4K

Primed Cache

HTTP Requests - 8

Total Weight - 30.7K

1 HTML/Text	4.2K
1 JavaScript File	0.0K
1 Image	0.0K
5 XMLHttpRequest	26.4K