

# Performance Report for:

https://www.nasa.gov/

Report generated: Wed, Jul 27, 2022 12:17 PM -0700

Test Server Location: | Vancouver, Canada

Using: O Chrome (Desktop) 98.0.4758.102, Lighthouse 9.3.1

B

Performance 89%

Structure 71%

L. Contentful Paint

1.3s

T. Blocking Time

45ms

C. Layout Shift

0.16

# Top Issues

IMPACT	AUDIT	
High	Avoid enormous network payloads LCP	Total size was 8.59MB
High	Eliminate render-blocking resources FCP LCP	Potential savings of 770ms
Med	Serve static assets with an efficient cache policy	Potential savings of 8.08MB
Med-Low	Enable text compression FCP LCP	Potential savings of 4.77MB
Med-Low	Avoid CSS @import FCP LCP	2 resources found

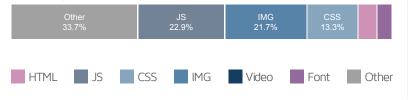
## Page Details

3.4s
Fully Loaded Time

Total Page Size - 8.59MB



#### Total Page Requests - 83



#### How does this affect me?

Today's web user expects a fast and seamless website experience. Delivering that fast experience can result in increased visits, conversions and overall happiness.

As if you didn't need more incentive, Google has announced that they are using page speed in their ranking algorithm.

#### **About GTmetrix**

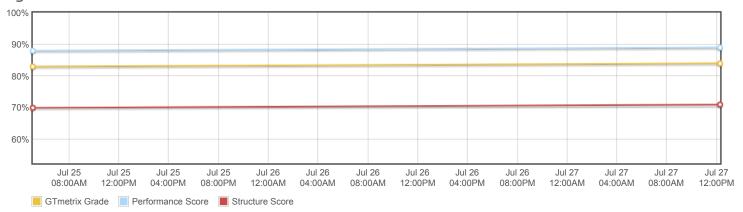


GTmetrix is developed by the good folks at **Carbon60**, a Canadian hosting company with over 26 years experience in web technology.

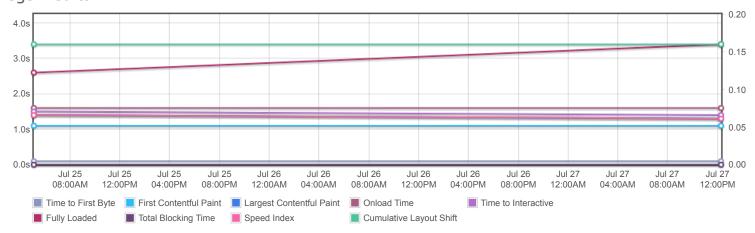
https://carbon60.com/



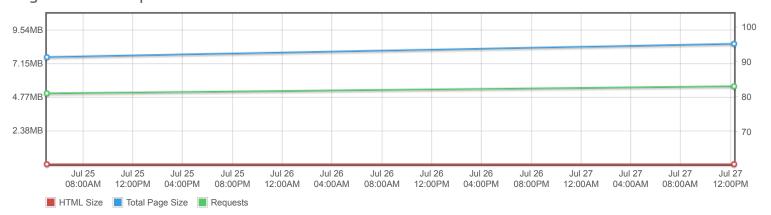
#### Page scores



## Page metrics



# Page sizes and request counts





The waterfall chart displays the loading behaviour of your site in your selected browser. It can be used to discover simple issues such as 404's or more complex issues such as external resources blocking page rendering.

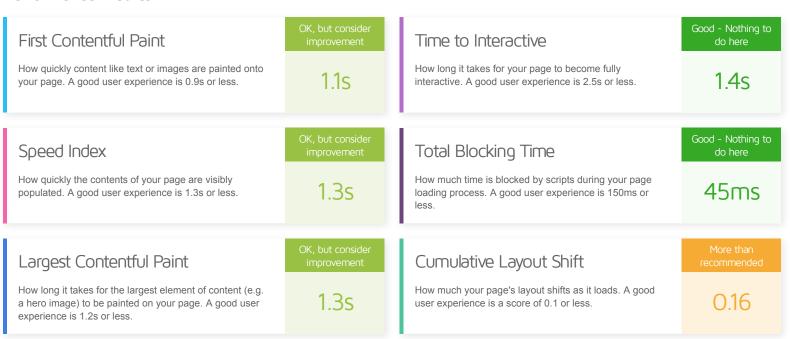
NASA				
I I	200	nasa.gov	12.3KB	109ms
date.css?	200	nasa.gov	3.45KB	31ms
datepicker.1.7.css?	200	nasa.gov	3.63KB	67ms
date_repeat_field.css?	200	nasa.gov	2.24KB	30ms
scald_before_after_image.css?	200	nasa.gov	366B	28ms
scald_htmlsnippet.css?	200	nasa.gov	331B	38ms
scald_iframe.css?	200	nasa.gov	812B	31ms
views.css?	200	nasa.gov	707B	31ms
vendor.css?	200	nasa.gov	46.0KB	72ms
nasa.css?	200	nasa.gov	458KB	148ms
Universal-Federated-Analytics-Min.js	200	dap.digitalgov.gov	5.41KB	57ms
google_tag.script.js?	200	nasa.gov	348B	355ms
vendor.js?	200	nasa.gov	4.03MB	305ms
nasa.js?	200	nasa.gov	2.01MB	317ms
1109.js	200	script.crazyegg.com	2.31KB	676ms
css?family=Titillium+Web:400,600,700	200	fonts.googleapis.com	510B	46ms
css2?family=Bebas+Neue&display=s	200	fonts.googleapis.com	886B	45ms
analytics.js	200	google-analytics.com	19.5KB	515ms
iframe_api	200	youtube.com	1.73KB	533ms
gateway.min.js	200	gateway.foresee.com	83.6KB	557rns
wrapper.js	200	universal.iperceptions	3.75KB	79ms
gtm.js?id=GTM-NLJ258M	200	googletagmanager.com	46.9KB	50ms
1109.json?t=1	200	script.crazyegg.com	359B	49ms
addthis_widget.js?_=1658949457130	200	s7.addthis.com	114KB	34rns
main-menu.json	200	nasa.gov	23.2KB	27ms
481475	200	nasa.gov	2.62KB	30ms
481539	200	nasa.gov	8.01KB	27ms
_search?size=24&from=0&sort=prom	200	nasa.gov	29.4KB	29ms
nasa-logo.svg	200	nasa.gov	8.43KB	33ms
01_iss060e047724.jpg	200	nasa.gov	24.6KB	26ms
01_iss060e047724.jpg	200	nasa.gov	960KB	472ms
starfield-banner.jpg	200	nasa.gov	3.40KB	30ms
search.svg	200	nasa.gov	3.13KB	32ms
share.svg	200	nasa.gov	3.13KB	29ms
ring.svg	200	nasa.gov	2.27KB	32ms
NaPecZTIAOhVxoMyOr9n_E7fdMPm	200	fonts.gstatic.com	12.1KB	84ms
NaPDcZTIAOhVxoMyOr9n_E7ffHjDGlt	200	fonts.gstatic.com	11.5KB	82ms
NaPDcZTIAOhVxoMyOr9n_E7ffBzCGI	200	fonts.gstatic.com	11.9KB	44ms
7628	200	nasa.gov	461B	34ms
3118	200	nasa.gov	431B	35ms
6336	200	nasa.gov	483B	27ms
3152	200	nasa.gov	475B	32ms
www-widgetapi.js	200	youtube.com	51.5KB	15ms
msr_graphicarm.jpg	200	nasa.gov	97.0KB	75ms
p22-011-147-web.jpg	200	nasa.gov	36.9KB	27ms
camera90.svg	200	nasa.gov	1.95KB	28ms
fs.record.js	200	gateway.foresee.com	17.7KB	19ms
fs.utils.js	200	gateway.foresee.com	29.5KB	18ms
fs.trigger.js	200	gateway.foresee.com	10.4KB	18ms
moatframe.js	200	z.moatads.com	948B	47ms
3119	200	nasa.gov	418B	26ms
4298	200	nasa.gov	739B	35ms
3637	200	nasa.gov	491B	26ms
3145	200	nasa.gov	404B	28ms

4515	200	nasa.gov	626B	П	26m	S		
3138	200	nasa.gov	383B	T	49n			
3456	200	nasa.gov	555B	ı	26m	S		
3137	200	nasa.gov	429B	Ti	31m	S		
3135	200	nasa.gov	361B	T	31n	S		
3127	200	nasa.gov	340B	Πİ	29n	S		
6028	200	nasa.gov	490B		32n	IS		
3133	200	nasa.gov	334B	Ï	47r	ns		
3655	200	nasa.gov	561B		46r	ns		
3141	200	nasa.gov	438B		28n	IS		
pia01551.jpg	200	nasa.gov	16.9KB		42n	าร		
grc-2022-c-04582.jpg	200	nasa.gov	46.2KB		48r	ns		
482310main_20100914_3b.jpg	200	nasa.gov	27.8KB		48r	ns		
gsfc_20220615_2022-148800-2_003.jpg	200	nasa.gov	44.5KB		65	ms		
jassica_watkins_iss.jpg	200	nasa.gov	60.1KB		45r	ns		
1-willamette-falls-1041.jpg	200	nasa.gov	37.9KB		64	ms		
landsat9_still_sw2_print_0.jpeg	200	nasa.gov	13.0KB		45r	ns		
20200303t212647s616_fractures_mar	200	nasa.gov	39.8KB		62	ms		
_ate.track.config_resp	200	v1.addthisedge.com	548B			101ms		
300lo.json?si=62e18f51e8b41460&bkl	200	m.addthis.com	101B			147ms		
sh.f48a1a04fe8dbf021b4cda1d.html	(canceled	l) s7.addthis.com	0			5ms		
sh.f48a1a04fe8dbf021b4cda1d.html	200	s7.addthis.com	25.8KB			58ms		
iFrame.html	200	universal.iperceptions	1.37KB			27ms		
layers.fa6cd1947ce26e890d3d.js	200	s7.addthis.com	75.8KB			18ms		
favicon.ico	200	nasa.gov	14.7KB			30ms		
POST events	200	analytics.foresee.com	45B					1.5s
OPTIONS events	200	analytics.foresee.com	0				246ms	
InviteTriggers	401	api.iperceptions.com	31B				165ms	
OPTIONS InviteTriggers	200	api.iperceptions.com	0				130ms	





#### Performance Metrics



# **Browser Timings**

Redirect	Oms	Connect	82ms	Backend	26ms
TTFB	108ms	DOM Int.	793ms	First Paint	799ms
DOM Loaded	834ms	Onload	1.6s	Fully Loaded	3.4s



# **Structure Audits**

IMPACT	AUDIT	
High	Avoid enormous network payloads LCP	Total size was 8.59MB
High	Eliminate render-blocking resources FCP LCP	Potential savings of 770ms
Med	Serve static assets with an efficient cache policy	Potential savings of 8.08MB
Med-Low	Enable text compression FCP LCP	Potential savings of 4.77MB
Med-Low	Avoid CSS @import FCP LCP	2 resources found
Low	Avoid large layout shifts CLS	5 elements found
Low	Reduce unused JavaScript LCP	Potential savings of 4.48MB
Low	Reduce JavaScript execution time TBT	653ms spent executing JavaScript
Low	Reduce unused CSS FCP LCP	Potential savings of 483KB
Low	Minify CSS FCP LCP	Potential savings of 92.7KB
Low	Avoid an excessive DOM size TBT	320 elements
Low	Efficiently encode images	Potential savings of 203KB
Low	Ensure text remains visible during webfont load FCP LCP	3 fonts found
Low	Avoid long main-thread tasks TBT	6 long tasks found
Low	Serve images in next-gen formats	Potential savings of 718KB
Low	Reduce initial server response time FCP LCP	Root document took 26ms
Low	Avoid serving legacy JavaScript to modern browsers TBT	Potential savings of 42.5KB
Low	Avoid chaining critical requests FCP LCP	15 chains found
N/A	Largest Contentful Paint element LCP	1 element found
N/A	Minimize main-thread work TBT	Main-thread busy for 1.4s
N/A	User Timing marks and measures	1 user timing
N/A	Reduce the impact of third-party code TBT	Total size was 528KB