

26 21:47:05

Civil Air Patrol Use Only

Satellite-Object: Lighting

**Sunlight Times**

ation (sec)	Start Time (UTCG)	Stop Time (UTCG)	Dur
2182.587	1 Sep 2025 00:00:00.000	1 Sep 2025 00:36:22.587	
3625.187	1 Sep 2025 01:10:46.821	1 Sep 2025 02:11:12.007	
3625.135	1 Sep 2025 02:45:36.285	1 Sep 2025 03:46:01.420	
3625.084	1 Sep 2025 04:20:25.747	1 Sep 2025 05:20:50.831	
3625.029	1 Sep 2025 05:55:15.205	1 Sep 2025 06:55:40.234	
3624.976	1 Sep 2025 07:30:04.656	1 Sep 2025 08:30:29.633	
3624.922	1 Sep 2025 09:04:54.102	1 Sep 2025 10:05:19.024	
3624.870	1 Sep 2025 10:39:43.541	1 Sep 2025 11:40:08.411	
3624.817	1 Sep 2025 12:14:32.976	1 Sep 2025 13:14:57.793	
3624.766	1 Sep 2025 13:49:22.406	1 Sep 2025 14:49:47.172	
3624.710	1 Sep 2025 15:24:11.832	1 Sep 2025 16:24:36.543	
3624.654	1 Sep 2025 16:59:01.251	1 Sep 2025 17:59:25.905	
3624.604	1 Sep 2025 18:33:50.662	1 Sep 2025 19:34:15.266	
3624.549	1 Sep 2025 20:08:40.072	1 Sep 2025 21:09:04.621	
3624.497	1 Sep 2025 21:43:29.473	1 Sep 2025 22:43:53.970	
2501.130	1 Sep 2025 23:18:18.870	2 Sep 2025 00:00:00.000	

**Global Statistics**

Min Duration	1 Sep 2025 00:00:00.000	1 Sep 2025 00:36:22.587
2182.587		
Max Duration	1 Sep 2025 01:10:46.821	1 Sep 2025 02:11:12.007
3625.187		
Mean Duration		
3464.470		
Total Duration		
55431.518		

**Penumbra Times**

ation (sec)	Start Time (UTCG)	Stop Time (UTCG)	Dur

-----  
9.330 1 Sep 2025 00:36:22.587 1 Sep 2025 00:36:31.917  
9.385 1 Sep 2025 01:10:37.436 1 Sep 2025 01:10:46.821  
9.329 1 Sep 2025 02:11:12.007 1 Sep 2025 02:11:21.336  
9.382 1 Sep 2025 02:45:26.903 1 Sep 2025 02:45:36.285  
9.329 1 Sep 2025 03:46:01.420 1 Sep 2025 03:46:10.749  
9.380 1 Sep 2025 04:20:16.367 1 Sep 2025 04:20:25.747  
9.329 1 Sep 2025 05:20:50.831 1 Sep 2025 05:21:00.159  
9.384 1 Sep 2025 05:55:05.821 1 Sep 2025 05:55:15.205  
9.328 1 Sep 2025 06:55:40.234 1 Sep 2025 06:55:49.563  
9.383 1 Sep 2025 07:29:55.273 1 Sep 2025 07:30:04.656  
9.328 1 Sep 2025 08:30:29.633 1 Sep 2025 08:30:38.960  
9.383 1 Sep 2025 09:04:44.719 1 Sep 2025 09:04:54.102  
9.328 1 Sep 2025 10:05:19.024 1 Sep 2025 10:05:28.352  
9.382 1 Sep 2025 10:39:34.159 1 Sep 2025 10:39:43.541  
9.327 1 Sep 2025 11:40:08.411 1 Sep 2025 11:40:17.738  
9.382 1 Sep 2025 12:14:23.594 1 Sep 2025 12:14:32.976  
9.330 1 Sep 2025 13:14:57.793 1 Sep 2025 13:15:07.123  
9.381 1 Sep 2025 13:49:13.025 1 Sep 2025 13:49:22.406  
9.326 1 Sep 2025 14:49:47.172 1 Sep 2025 14:49:56.498  
9.381 1 Sep 2025 15:24:02.451 1 Sep 2025 15:24:11.832  
9.324 1 Sep 2025 16:24:36.543 1 Sep 2025 16:24:45.866  
9.380 1 Sep 2025 16:58:51.871 1 Sep 2025 16:59:01.251  
9.326 1 Sep 2025 17:59:25.905 1 Sep 2025 17:59:35.231  
9.380 1 Sep 2025 18:33:41.282 1 Sep 2025 18:33:50.662  
9.325 1 Sep 2025 19:34:15.266 1 Sep 2025 19:34:24.592  
9.381 1 Sep 2025 20:08:30.691 1 Sep 2025 20:08:40.072  
9.325 1 Sep 2025 21:09:04.621 1 Sep 2025 21:09:13.946  
9.377 1 Sep 2025 21:43:20.096 1 Sep 2025 21:43:29.473  
9.325 1 Sep 2025 22:43:53.970 1 Sep 2025 22:44:03.295  
9.376 1 Sep 2025 23:18:09.494 1 Sep 2025 23:18:18.870

Page 3

ation (sec)	Start Time (UTCG)	Stop Time (UTCG)	Dur
<hr/>			
<b>Global Statistics</b>			
Min Duration 9.324	1 Sep 2025 16:24:36.543	1 Sep 2025 16:24:45.866	
Max Duration 9.385	1 Sep 2025 01:10:37.436	1 Sep 2025 01:10:46.821	
Mean Duration 9.354			
Total Duration 280.625			
 <b>Umbra Times</b>			
ation (sec)	Start Time (UTCG)	Stop Time (UTCG)	Dur
2045.519	1 Sep 2025 00:36:31.917	1 Sep 2025 01:10:37.436	
2045.567	1 Sep 2025 02:11:21.336	1 Sep 2025 02:45:26.903	
2045.618	1 Sep 2025 03:46:10.749	1 Sep 2025 04:20:16.367	
2045.662	1 Sep 2025 05:21:00.159	1 Sep 2025 05:55:05.821	
2045.710	1 Sep 2025 06:55:49.563	1 Sep 2025 07:29:55.273	
2045.759	1 Sep 2025 08:30:38.960	1 Sep 2025 09:04:44.719	
2045.807	1 Sep 2025 10:05:28.352	1 Sep 2025 10:39:34.159	
2045.856	1 Sep 2025 11:40:17.738	1 Sep 2025 12:14:23.594	
2045.902	1 Sep 2025 13:15:07.123	1 Sep 2025 13:49:13.025	
2045.953	1 Sep 2025 14:49:56.498	1 Sep 2025 15:24:02.451	
2046.005	1 Sep 2025 16:24:45.866	1 Sep 2025 16:58:51.871	
2046.051	1 Sep 2025 17:59:35.231	1 Sep 2025 18:33:41.282	
2046.099	1 Sep 2025 19:34:24.592	1 Sep 2025 20:08:30.691	
2046.150	1 Sep 2025 21:09:13.946	1 Sep 2025 21:43:20.096	
2046.199	1 Sep 2025 22:44:03.295	1 Sep 2025 23:18:09.494	
<hr/> <b>Global Statistics</b>			
Min Duration 2045.519	1 Sep 2025 00:36:31.917	1 Sep 2025 01:10:37.436	
Max Duration 2046.199	1 Sep 2025 22:44:03.295	1 Sep 2025 23:18:09.494	
Mean Duration 2045.857			
Total Duration			

**Page 4**

<b>ation (sec)</b>	<b>Start Time (UTCG)</b>	<b>Stop Time (UTCG)</b>	<b>Dur</b>
-----	-----	-----	-----
30687.857			