

MeteorDates\_2011

Name of Shower	Date the showers are seen	Date of maximum activity	R.A.	Decl.	Geo-centric velocity in km per Second.	Zenith Hourly Rate	Date of Full Moon 2011	Radiant Constellation	Parent object	Observations	
<b>January</b>							<b>19<sup>th</sup></b>				
<b>Quadrantids</b>	<b>Dec 28 - Jan 13</b>	<b>3<sup>rd</sup> / 4<sup>th</sup></b>	<b>230°</b>	<b>50°</b>	<b>41</b>	<b>120</b>		<b>Bootes</b>	<b>minor planet(Asteroid) 2003EH1, and perhaps comets C/1490 YI and C/1385UI</b>	<b>Yellow and Blue meteors. Medium speed</b>	
<b>February</b>							<b>18<sup>th</sup></b>				
<b>Alpha-centaurids</b>	<b>Jan 28 - Feb 20</b>	<b>8<sup>th</sup></b>	<b>211°</b>	<b>-58°</b>	<b>56</b>	<b>6</b>		<b>Centaurus</b>		<b>Very fast meteors and some fire balls</b>	
<b>Aurigids</b>	<b>31<sup>st</sup> Jan - 23<sup>rd</sup> Feb</b>	<b>5<sup>th</sup> / 10<sup>th</sup></b>	<b>94?</b>	<b>36.4?</b>		<b>10</b>		<b>Auriga</b>	<b>Comet C/1911 N1 (Kiessi)</b>	<b>Not one of the best shows.</b>	
<b>April</b>							<b>18<sup>th</sup></b>				
<b>Virginids</b>	<b>10<sup>th</sup> Mar - 21<sup>st</sup> Apr</b>	<b>7<sup>th</sup> / 15<sup>th</sup></b>				<b>5</b>				<b>Slow long trails from multiple radiant</b>	
<b>Lyrids</b>	<b>17<sup>th</sup> / 26<sup>th</sup></b>	<b>21<sup>st</sup> / 22<sup>nd</sup></b>	<b>273°</b>	<b>33°</b>	<b>49</b>	<b>18</b>		<b>Lyra</b>	<b>Comet Thatcher 186</b>	<b>Fastish meteors</b>	
<b>Pi-Puppids *</b>	<b>15<sup>th</sup> / 28<sup>th</sup></b>	<b>23<sup>rd</sup> / 24<sup>th</sup></b>	<b>110°</b>	<b>-45°</b>	<b>18</b>	<b>-</b>		<b>Puppis</b>	<b>Comet 26P / Grigg-Skjellerup</b>		
<b>May</b>							<b>17<sup>th</sup></b>				
<b>Eta Aquarids</b>	<b>Apr 19 - May 28</b>	<b>5<sup>th</sup> / 6<sup>th</sup></b>	<b>339°</b>	<b>-0°</b>	<b>66</b>	<b>60</b>		<b>Aquarius</b>	<b>Comet 1P/ Halley</b>	<b>Southern shower with very fast, bright meteors</b>	
<b>Eta Lyrids</b>	<b>3<sup>rd</sup> / 18<sup>th</sup></b>	<b>9<sup>th</sup></b>	<b>290°</b>	<b>42°</b>	<b>44</b>	<b>3</b>		<b>Lyra</b>	<b>Comet C 1983 H1</b>		
<b>June</b>							<b>15<sup>th</sup></b>				
<b>Bootids</b>	<b>Jun 21 - Jul 02</b>	<b>24<sup>th</sup></b>	<b>216°</b>	<b>38°</b>	<b>15</b>	<b>Variable</b>		<b>Bootes</b>	<b>Comet 7P/ Pons-Winnecke</b>	<b>Slow speed variable shower with occasional strong outbursts.</b>	
<b>July</b>							<b>15<sup>th</sup></b>				

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<b>Piscis Austrinids</b>	<b>Jul 16 - Aug 09</b>	<b>28<sup>th</sup></b>	<b>341°</b>	<b>-30°</b>	<b>35</b>	<b>5</b>		<b>Pisces</b>		<b>Southern hemisphere shower with slowish meteors.</b>	
<b>Delta Aquarids</b>	<b>Jul 12 - Aug 19</b>	<b>29<sup>th</sup></b>	<b>339°</b>	<b>-16°</b>	<b>40</b>	<b>20</b>		<b>Aquarius</b>		<b>Southern shower with a double peak</b>	
<b>Alpha Capricornids</b>	<b>Jul 03 - Aug 16</b>	<b>31<sup>st</sup></b>	<b>307°</b>	<b>-10°</b>	<b>23</b>	<b>5</b>		<b>Capricornus</b>	<b>Comet 45P / Honda</b>	<b>Slow yellow and blue bright meteors, Several peak dates and radiants.</b>	
<b>August</b>							<b>13<sup>th</sup></b>				
<b>Perseids</b>	<b>Jul 17 - Aug 26</b>	<b>13<sup>th</sup></b>	<b>48°</b>	<b>58°</b>	<b>59</b>	<b>100</b>		<b>Perseus</b>	<b>Comet 109p/ Swift-Tuttle</b>	<b>Bright colourful meteors</b>	
<b>Kappa Cygnids</b>	<b>3<sup>rd</sup> / 27<sup>th</sup></b>	<b>18<sup>th</sup></b>	<b>278°</b>	<b>59°</b>	<b>25</b>	<b>3</b>			<b>Minor planet 2008 ED69</b>		
<b>September</b>							<b>12<sup>th</sup></b>				
<b>Alpha Aurigids</b>	<b>Aug 25 - Sep 07</b>	<b>1<sup>st</sup></b>	<b>84°</b>	<b>42°</b>	<b>66</b>	<b>7</b>			<b>Comet C/1911 N1 (Kiessi)</b>		
<b>Piscids</b>	<b>25<sup>th</sup> Aug - 20<sup>th</sup> Oct</b>	<b>8<sup>th</sup> &amp; 21<sup>st</sup></b>	<b>60°</b>	<b>47°</b>	<b>61</b>	<b>5</b>		<b>Pisces</b>		<b>Several peaks with slower meteors from different radiants.</b>	
<b>Kappa Aquarids</b>	<b>Sep 08 - Oct 02</b>	<b>22<sup>nd</sup></b>	<b>334°</b>	<b>-14°</b>	<b>13</b>	<b>3</b>		<b>Aquarius</b>			
<b>October</b>							<b>12<sup>th</sup></b>				
<b>Draconids</b>	<b>7<sup>th</sup> / 12<sup>th</sup></b>	<b>8<sup>th</sup></b>	<b>264°</b>	<b>58°</b>	<b>20</b>	<b>20</b>		<b>Draco</b>	<b>Comet 21P/ Giacobini-Zinner</b>	<b>Slow meteors</b>	
<b>Giacobinids *</b>	<b>7<sup>th</sup> / 10<sup>th</sup></b>	<b>8<sup>th</sup> / 9<sup>th</sup></b>	<b>17°</b>	<b>57°</b>	<b>23</b>	<b>Variable</b>			<b>Comet 21P/ Giacobini-Zinner</b>	<b>Slow meteors</b>	
<b>Orionids</b>	<b>Oct 02 - Nov 11</b>	<b>22<sup>nd</sup></b>	<b>95°</b>	<b>16°</b>	<b>66</b>	<b>23</b>		<b>Orion</b>	<b>Comet 1P/ Halley</b>	<b>Fast with many trails.</b>	
<b>Leo Minorids</b>	<b>19<sup>th</sup> / 27<sup>th</sup></b>	<b>23<sup>rd</sup></b>	<b>161°</b>	<b>38°</b>	<b>62</b>	<b>2</b>		<b>Leo</b>	<b>Comet /1739 K1</b>	<b>Weak shower, very difficult to observe visually and more suited to video and telescopes.</b>	

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November							10 <sup>th</sup>			
<b>Taurids</b>	<b>Sep 25 - Nov 27</b>	<b>11<sup>th</sup></b>	<b>56°</b>	<b>22°</b>	<b>31</b>	<b>5</b>		<b>Taurus</b>	<b>Minor planet 2004 TG10 and comet Encke</b>	<b>Bright and slow meteors</b>
<b>Leonids **</b>	<b>8<sup>th</sup> / 28<sup>th</sup></b>	<b>18<sup>th</sup></b>	<b>154°</b>	<b>22°</b>	<b>71</b>	<b>8</b>		<b>Leo</b>	<b>Comet Temple Tuttle</b>	<b>Very fast</b>
<b>Alpha Monocerotids</b>	<b>15<sup>th</sup> / 25<sup>th</sup></b>	<b>22<sup>nd</sup></b>	<b>117°</b>	<b>1°</b>	<b>65</b>	<b>4</b>		<b>Monoceros</b>	<b>Unknown</b>	<b>Fast meteors but modest shower</b>
December							10 <sup>th</sup>			
<b>Phoenicids</b>	<b>Nov 28 - Dec 09</b>	<b>6<sup>th</sup></b>	<b>18°</b>	<b>-53°</b>	<b>18</b>	<b>-</b>		<b>Phoenix</b>	<b>Comet D/1819 W1</b>	<b>Minor Shower, Southern hemisphere</b>
<b>Puppids / Velids</b>	<b>1<sup>st</sup> / 15<sup>th</sup></b>	<b>7<sup>th</sup></b>	<b>123°</b>	<b>-45°</b>	<b>40</b>	<b>10</b>		<b>Puppis</b>	<b>Comet 26P/ Grigg-Skjellerup</b>	
<b>Monocerotids</b>	<b>Nov 18 - Dec 18</b>	<b>8<sup>th</sup></b>	<b>102°</b>	<b>8°</b>	<b>42</b>	<b>2</b>		<b>Monoceros</b>		
<b>Sigma Hydrids</b>	<b>Nov 30 - Dec 22</b>	<b>11<sup>th</sup></b>	<b>127°</b>	<b>2°</b>	<b>58</b>	<b>3</b>		<b>Hydra</b>		
<b>Geminids</b>	<b>1<sup>st</sup> / 19<sup>th</sup></b>	<b>14<sup>th</sup></b>	<b>114°</b>	<b>32°</b>	<b>35</b>	<b>120</b>		<b>Gemini</b>	<b>Minor planet 3200 Phaethon</b>	<b>Medium speed, bright yellowish meteors</b>
<b>Coma Berenicids</b>	<b>Dec 05 - Feb 01</b>	<b>20<sup>th</sup></b>	<b>175°</b>	<b>22°</b>	<b>64</b>	<b>4</b>		<b>Coma Berenices</b>	<b>Comet Lowe 1931 I</b>	<b>Very fast meteors</b>
<b>Ursids</b>	<b>18<sup>th</sup> / 26<sup>th</sup></b>	<b>23<sup>rd</sup></b>	<b>219°</b>	<b>75°</b>	<b>33</b>	<b>10</b>		<b>Ursa Minor</b>	<b>Comet 8P/ Tuttle</b>	<b>Slow meteors</b>

\* Periodic showers when the parent comet is at perihelion

\*\* Vary between 15 in years between perihelion and as many as 200,000 under very favourable circumstances roughly every 33 years. I would love to see that!