



Flooding in lower Park Avenue, Arches National Park, Utah. National Park Service Photo by Neal Herbert

April 2015

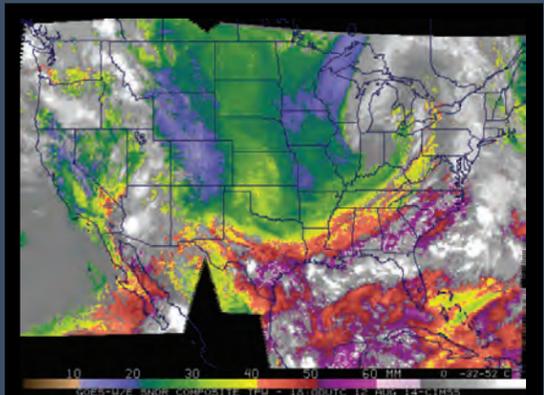


SUNDAY					MONDAY					TUESDAY					WEDNESDAY					THURSDAY					FRIDAY					SATURDAY																																																																																																													
<table border="1"> <tr><th colspan="7">MARCH</th></tr> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr> <tr><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr> <tr><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr> <tr><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td></tr> <tr><td>29</td><td>30</td><td>31</td><td></td><td></td><td></td><td></td></tr> </table>					MARCH							S	M	T	W	T	F	S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					<table border="1"> <tr><th colspan="7">MAY</th></tr> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr> <tr><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td></tr> <tr><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> <tr><td>31</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>					MAY							S	M	T	W	T	F	S						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31												1					2					3					4				
MARCH																																																																																																																																											
S	M	T	W	T	F	S																																																																																																																																					
1	2	3	4	5	6	7																																																																																																																																					
8	9	10	11	12	13	14																																																																																																																																					
15	16	17	18	19	20	21																																																																																																																																					
22	23	24	25	26	27	28																																																																																																																																					
29	30	31																																																																																																																																									
MAY																																																																																																																																											
S	M	T	W	T	F	S																																																																																																																																					
					1	2																																																																																																																																					
3	4	5	6	7	8	9																																																																																																																																					
10	11	12	13	14	15	16																																																																																																																																					
17	18	19	20	21	22	23																																																																																																																																					
24	25	26	27	28	29	30																																																																																																																																					
31																																																																																																																																											
5					6					7					8					9					10					11																																																																																																													
Easter																																																																																																																																											
12					13					14					15					16					17					18																																																																																																													
					GOES-I launched, 1994																																																																																																																																						
19					20					21					22					23					24					25																																																																																																													
															Earth Day															GOES-K launched, 1997																																																																																																													
26					27					28					29					30																																																																																																																							
										GOES-F launched, 1983																																																																																																																																	

Predicting heavy rain and flooding

Total precipitable water is the liquid equivalent of the amount of water vapor in an atmospheric column from the surface to the top of the atmosphere. It is derived from atmospheric moisture profiles. Visualization of this product can reveal "atmospheric rivers," which are long, narrow filaments of moisture that can persist in the atmosphere for several days and can transport as much water as the Amazon River.

The GOES-R Total Precipitable Water product will help to predict heavy rain events, such as that experienced by the Chesapeake Basin in August 2014.



Credit: NOAA/GOES-13 and Cooperative Institute for Meteorological Satellite Studies (CIMSS).