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NEWCASTLE							
LAT 32° 56' LONG 151° 47' TIME ZONE -1000							
TIMES AND HEIGHTS OF HIGH AND LOW WATERS							
JANUARY – 2015							
SUN. TIME M	MON. TIME M	TUES. TIME M	WED. TIME M	THURS. TIME M	FRI. TIME M	SAT. TIME M	
				<b>1</b>	<b>2</b>	<b>3</b>	
				0514 1.70 1152 0.54 1740 1.32 2325 0.51	0605 1.76 1248 0.48 1837 1.33	0014 0.51 0652 1.81 1335 0.42 1927 1.35	
<b>4</b>	<b>5</b> ○	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	
0059 0.51 0736 1.84 1415 0.38 2012 1.37	0141 0.52 0816 1.85 1454 0.36 2052 1.38	0221 0.53 0854 1.84 1529 0.36 2130 1.39	0259 0.55 0930 1.81 1602 0.37 2207 1.39	0337 0.57 1004 1.77 1636 0.40 2245 1.39	0416 0.61 1038 1.71 1710 0.42 2323 1.39	0459 0.65 1114 1.63 1745 0.46	
<b>11</b>	<b>12</b>	<b>13</b> ●	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	
0003 1.39 0545 0.69 1152 1.55 1824 0.50	0049 1.39 0636 0.73 1236 1.45 1905 0.54	0141 1.40 0735 0.77 1328 1.36 1953 0.57	0236 1.43 0845 0.77 1430 1.29 2045 0.59	0334 1.49 0959 0.73 1542 1.26 2142 0.59	0430 1.57 1106 0.65 1650 1.27 2239 0.56	0523 1.68 1203 0.53 1751 1.31 2332 0.51	
<b>18</b>	<b>19</b>	<b>20</b> ●	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	
0614 1.79 1255 0.41 1846 1.38	0024 0.45 0702 1.90 1342 0.29 1939 1.45	0115 0.40 0751 1.99 1428 0.20 2029 1.52	0206 0.35 0840 2.04 1514 0.14 2119 1.57	0258 0.34 0929 2.04 1600 0.12 2209 1.61	0351 0.35 1017 1.99 1646 0.15 2300 1.63	0446 0.39 1107 1.88 1733 0.22 2351 1.63	
<b>25</b>	<b>26</b>	<b>27</b> ●	<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>	
0545 0.46 1159 1.73 1822 0.31	0045 1.62 0646 0.54 1253 1.56 1913 0.41	0144 1.60 0756 0.61 1354 1.41 2007 0.50	0246 1.60 0912 0.64 1505 1.29 2106 0.57	0350 1.61 1031 0.63 1621 1.24 2207 0.61	0452 1.64 1141 0.59 1730 1.25 2306 0.61	0546 1.68 1235 0.53 1827 1.28 2359 0.59	

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NEWCASTLE							
LAT 32° 56' LONG 151° 47' TIME ZONE -1000							
TIMES AND HEIGHTS OF HIGH AND LOW WATERS							
FEBRUARY – 2015							
SUN. TIME M	MON. TIME M	TUES. TIME M	WED. TIME M	THURS. TIME M	FRI. TIME M	SAT. TIME M	
		<b>2</b>	<b>3</b>	<b>4</b> ○	<b>5</b>	<b>6</b>	<b>7</b>
		0045 0.56 0718 1.75 1318 0.47 1913 1.33	0127 0.54 0757 1.77 1430 0.40 2030 1.41	0205 0.52 0832 1.78 1501 0.38 2105 1.44	0241 0.52 0906 1.77 1531 0.38 2139 1.46	0317 0.52 0940 1.74 1602 0.39 2212 1.48	0356 0.54 1014 1.69 1633 0.41 2247 1.49
<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b> ●	<b>13</b>	<b>14</b>	
0435 0.57 1047 1.62 1705 0.45 2324 1.49	0517 0.61 1124 1.54 1740 0.49	0004 1.48 0603 0.66 1203 1.44 1816 0.54	0049 1.47 0657 0.70 1250 1.35 1900 0.59	0143 1.47 0801 0.72 1350 1.27 1953 0.63	0244 1.50 0915 0.70 1505 1.23 2058 0.64	0349 1.56 1030 0.63 1623 1.25 2206 0.62	
<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b> ●	<b>20</b>	<b>21</b>	
0451 1.66 1134 0.52 1730 1.32 2310 0.55	0548 1.78 1229 0.39 1828 1.42	0008 0.46 0642 1.89 1317 0.27 1920 1.52	0101 0.38 0732 1.98 1404 0.18 2010 1.62	0154 0.31 0823 2.02 1449 0.13 2059 1.69	0247 0.27 0913 2.01 1534 0.13 2147 1.75	0341 0.28 1002 1.93 1620 0.18 2235 1.77	
<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b> ●	<b>27</b>	<b>28</b>	
0436 0.32 1052 1.81 1705 0.26 2325 1.75	0533 0.40 1143 1.65 1752 0.38	0016 1.71 0633 0.49 1236 1.48 1840 0.50	0112 1.66 0740 0.58 1337 1.34 1934 0.60	0212 1.60 0853 0.63 1448 1.24 2035 0.68	0318 1.57 1008 0.64 1607 1.22 2143 0.71	0424 1.57 1115 0.62 1715 1.25 2248 0.70	

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NEWCASTLE							
LAT 32° 56' LONG 151° 47' TIME ZONE -1000							
TIMES AND HEIGHTS OF HIGH AND LOW WATERS							
MARCH – 2015							
SUN.	MON.	TUES.	WED.	THURS.	FRI.	SAT.	
TIME M	TIME M	TIME M	TIME M	TIME M	TIME M	TIME M	TIME M
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b> ○	<b>7</b>	
0522 1.60 1209 0.57 1809 1.31 2345 0.66	0611 1.63 1250 0.52 1852 1.38	0031 0.61 0654 1.67 1326 0.48 1930 1.44	0112 0.57 0732 1.69 1358 0.44 2004 1.49	0149 0.53 0808 1.71 1428 0.42 2036 1.54	0225 0.51 0842 1.70 1457 0.41 2108 1.57	0300 0.50 0915 1.68 1527 0.42 2141 1.60	
<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b> ●	
0338 0.50 0949 1.64 1557 0.44 2214 1.61	0416 0.52 1025 1.58 1628 0.48 2248 1.61	0457 0.55 1101 1.50 1700 0.53 2326 1.60	0542 0.59 1142 1.42 1737 0.59 2359 1.60	0008 1.57 0632 0.63 1230 1.34 1820 0.64	0059 1.55 0733 0.66 1330 1.28 1916 0.69	0200 1.55 0845 0.65 1445 1.26 2027 0.71	
<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b> ●	<b>21</b>	
0312 1.58 0958 0.59 1603 1.30 2144 0.68	0421 1.66 1102 0.49 1711 1.39 2253 0.59	0523 1.76 1159 0.38 1808 1.51 2354 0.49	0619 1.86 1248 0.28 1900 1.64 2359 0.49	0049 0.38 0712 1.92 1335 0.21 1948 1.75	0144 0.30 0803 1.94 1421 0.19 2036 1.84	0237 0.26 0855 1.90 1506 0.21 2123 1.89	
<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b> ○	<b>28</b>	
0330 0.26 0945 1.82 1550 0.27 2211 1.90	0425 0.30 1036 1.70 1635 0.37 2258 1.86	0521 0.38 1128 1.56 1721 0.49 2346 1.80	0618 0.47 1222 1.43 1809 0.61 2346 1.80	0038 1.71 0719 0.56 1320 1.32 1901 0.71	0134 1.62 0825 0.62 1429 1.26 2003 0.79	0238 1.55 0931 0.65 1544 1.26 2114 0.81	
<b>29</b>	<b>30</b>	<b>31</b>					
0345 1.52 1032 0.65 1648 1.30 2223 0.79	0445 1.53 1125 0.62 1740 1.37 2323 0.74	0537 1.56 1207 0.58 1822 1.45					

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NEWCASTLE							
LAT 32° 56' LONG 151° 47' TIME ZONE -1000							
TIMES AND HEIGHTS OF HIGH AND LOW WATERS							
APRIL – 2015							
SUN.	MON.	TUES.	WED.	THURS.	FRI.	SAT.	
TIME M	TIME M	TIME M	TIME M	TIME M	TIME M	TIME M	TIME M
<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	
0244 0.49 0850 1.61 1448 0.48 2109 1.73	0320 0.48 0927 1.58 1520 0.51 2143 1.75	0400 0.48 1004 1.53 1553 0.54 2217 1.74	0441 0.50 1045 1.48 1629 0.59 2256 1.72	0526 0.53 1130 1.42 1709 0.65 2339 1.69	0616 0.57 1220 1.36 1757 0.70 2339 1.69	0715 0.59 1321 1.33 1857 0.75	
<b>12</b> ●	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	
0131 1.63 0822 0.58 1432 1.34 2009 0.76	0243 1.63 0929 0.54 1545 1.40 2127 0.72	0354 1.67 1030 0.47 1649 1.51 2238 0.63	0459 1.73 1126 0.39 1745 1.63 2341 0.52	0557 1.79 1216 0.33 1836 1.76	0651 1.81 1304 0.29 1925 1.87	0745 1.80 1350 0.30 2012 1.95	
<b>19</b> ●	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	
0227 0.29 0837 1.76 1435 0.34 2059 1.99	0319 0.29 0930 1.68 1521 0.41 2145 1.98	0413 0.32 1021 1.59 1606 0.50 2231 1.93	0505 0.39 1112 1.50 1651 0.60 2317 1.85	0559 0.47 1204 1.41 1738 0.71	0652 0.55 1259 1.34 1829 0.79	0747 0.62 1359 1.31 1928 0.85	
<b>26</b> ●	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>			
0150 1.55 0843 0.66 1503 1.32 2035 0.88	0253 1.50 0937 0.67 1605 1.37 2145 0.86	0356 1.48 1028 0.65 1658 1.44 2249 0.80	0452 1.49 1113 0.62 1742 1.52 2343 0.73	0541 1.52 1153 0.59 1820 1.60			

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NEWCASTLE							
LAT 32° 56' LONG 151° 47' TIME ZONE -1000							
TIMES AND HEIGHTS OF HIGH AND LOW WATERS							
MAY – 2015							
SUN.	MON.	TUES.	WED.	THURS.	FRI.	SAT.	
TIME M	TIME M	TIME M	TIME M	TIME M	TIME M	TIME M	TIME M
<b>31</b>					<b>1</b>	<b>2</b>	
0042 0.61					0028 0.66	0108 0.59	
0631 1.47					0625 1.54	0705 1.55	
1221 0.59					1230 0.56	1304 0.55	
1855 1.78					1856 1.67	1930 1.74	
<b>3</b>	<b>4</b> ○	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	
0146 0.53	0224 0.49	0302 0.46	0344 0.45	0427 0.45	0514 0.47	0604 0.49	
0745 1.55	0824 1.54	0904 1.53	0947 1.50	1031 1.47	1119 1.44	1213 1.42	
1337 0.54	1411 0.54	1446 0.56	1525 0.59	1606 0.63	1652 0.67	1745 0.72	
2004 1.79	2039 1.84	2115 1.86	2153 1.86	2234 1.84	2320 1.80		
<b>10</b>	<b>11</b> ●	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	
0012 1.75	0112 1.70	0219 1.66	0330 1.66	0435 1.67	0535 1.68	0630 0.46	
0700 0.51	0800 0.51	0901 0.49	1000 0.46	1054 0.43	1145 0.41	0632 1.67	
1313 1.41	1418 1.44	1525 1.51	1626 1.61	1721 1.73	1813 1.84	1233 0.40	
1846 0.75	1957 0.76	2112 0.72	2224 0.65	2330 0.55		1902 1.94	
<b>17</b>	<b>18</b> ●	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	
0124 0.38	0216 0.34	0307 0.33	0356 0.36	0444 0.41	0530 0.48	0616 0.54	
0728 1.65	0821 1.62	0913 1.57	1003 1.52	1052 1.46	1139 1.42	1227 1.38	
1320 0.42	1407 0.46	1452 0.52	1537 0.59	1622 0.67	1707 0.74	1754 0.81	
1949 2.00	2036 2.02	2121 2.00	2205 1.95	2248 1.86	2330 1.76		
<b>24</b>	<b>25</b>	<b>26</b> ●	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>	
0014 1.66	0101 1.57	0157 1.50	0259 1.45	0400 1.44	0456 1.44	0545 1.45	
0702 0.60	0750 0.64	0839 0.66	0929 0.66	1016 0.64	1101 0.62	1143 0.60	
1317 1.37	1413 1.38	1511 1.41	1605 1.47	1654 1.55	1738 1.63	1817 1.71	
1847 0.86	1949 0.88	2058 0.88	2205 0.84	2305 0.77	2357 0.69		

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NEWCASTLE							
LAT 32° 56' LONG 151° 47' TIME ZONE -1000							
TIMES AND HEIGHTS OF HIGH AND LOW WATERS							
JUNE – 2015							
SUN.	MON.	TUES.	WED.	THURS.	FRI.	SAT.	
TIME M	TIME M	TIME M	TIME M	TIME M	TIME M	TIME M	TIME M
	<b>1</b>	<b>2</b>	<b>3</b> ○	<b>4</b>	<b>5</b>	<b>6</b>	
	0123 0.54	0203 0.47	0244 0.42	0327 0.39	0411 0.38	0459 0.38	
	0715 1.48	0759 1.49	0844 1.50	0930 1.50	1018 1.50	1108 1.49	
	1300 0.57	1338 0.56	1419 0.56	1503 0.57	1550 0.59	1641 0.63	
	1933 1.85	2012 1.90	2052 1.94	2134 1.95	2219 1.93	2306 1.88	
<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b> ●	<b>11</b>	<b>12</b>	<b>13</b>	
0549 0.40	0642 0.42	0055 1.73	0200 1.65	0308 1.59	0415 1.55	0518 1.53	
1201 1.49	1259 1.50	0737 0.44	0833 0.46	0930 0.47	1024 0.48	1116 0.48	
1736 0.66	1837 0.70	1400 1.53	1501 1.59	1601 1.67	1659 1.77	1752 1.85	
2359 1.81	1945 0.71	1945 0.71	2059 0.70	2213 0.65	2321 0.57		
<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b> ●	<b>18</b>	<b>19</b>	<b>20</b>	
0022 0.49	0116 0.42	0206 0.38	0252 0.36	0336 0.38	0417 0.41	0458 0.46	
0617 1.52	0714 1.51	0806 1.50	0855 1.48	0942 1.47	1026 1.45	1108 1.43	
1207 0.49	1256 0.50	1343 0.53	1428 0.56	1511 0.61	1554 0.66	1636 0.71	
1842 1.92	1930 1.97	2015 1.98	2059 1.96	2140 1.91	2219 1.84	2258 1.76	
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b> ●	<b>25</b>	<b>26</b>	<b>27</b>	
0536 0.51	0616 0.55	0018 1.58	0106 1.49	0203 1.42	0306 1.37	0409 1.35	
1150 1.41	1233 1.40	0658 0.59	0743 0.62	0831 0.63	0922 0.64	1012 0.63	
1719 0.75	1808 0.80	1321 1.41	1415 1.43	1510 1.47	1604 1.53	1654 1.61	
2336 1.67	1903 0.83	1903 0.83	2007 0.85	2117 0.83	2224 0.78	2323 0.70	
<b>28</b>	<b>29</b>	<b>30</b>					
0507 1.36	0014 0.61	0059 0.51					
1059 0.62	0559 1.38	0648 1.41					
1739 1.69	1143 0.59	1227 0.56					
	1822 1.78	1905 1.86					

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NEWCASTLE							
LAT 32° 56' LONG 151° 47' TIME ZONE -1000							
TIMES AND HEIGHTS OF HIGH AND LOW WATERS							
JULY - 2015							
SUN. TIME M	MON. TIME M	TUES. TIME M	WED. TIME M	THURS. TIME M	FRI. TIME M	SAT. TIME M	
			<b>1</b> 0142 0.43 0735 1.45 1312 0.53 1948 1.93	<b>2</b> ○ 0224 0.35 0823 1.48 1358 0.50 2032 1.98	<b>3</b> 0308 0.30 0912 1.51 1445 0.49 2117 2.00	<b>4</b> 0353 0.27 1001 1.54 1536 0.49 2204 1.98	
<b>5</b> 0440 0.26 1051 1.56 1630 0.52 2253 1.92	<b>6</b> 0529 0.29 1144 1.57 1726 0.55 2345 1.82	<b>7</b> 0619 0.33 1238 1.58 1826 0.60	<b>8</b> 0039 1.70 0711 0.39 1336 1.60 1933 0.64	<b>9</b> ● 0141 1.57 0805 0.45 1437 1.63 2047 0.65	<b>10</b> 0249 1.47 0901 0.49 1539 1.68 2204 0.63	<b>11</b> 0400 1.40 0959 0.53 1639 1.74 2315 0.57	
<b>12</b> 0507 1.38 1054 0.54 1735 1.80	<b>13</b> 0016 0.50 0608 1.38 1147 0.54 1826 1.85	<b>14</b> 0108 0.43 0702 1.40 1237 0.54 1914 1.88	<b>15</b> 0153 0.39 0751 1.42 1324 0.54 1957 1.89	<b>16</b> ● 0233 0.37 0835 1.43 1407 0.55 2038 1.88	<b>17</b> 0312 0.37 0916 1.44 1447 0.56 2115 1.84	<b>18</b> 0347 0.39 0956 1.44 1528 0.59 2151 1.79	
<b>19</b> 0422 0.42 1033 1.44 1607 0.62 2226 1.72	<b>20</b> 0456 0.45 1111 1.44 1648 0.66 2302 1.64	<b>21</b> 0531 0.49 1151 1.44 1733 0.70 2340 1.55	<b>22</b> 0609 0.53 1234 1.44 1823 0.74	<b>23</b> 0024 1.46 0650 0.56 1322 1.44 1922 0.77	<b>24</b> ● 0115 1.37 0736 0.60 1415 1.46 2030 0.78	<b>25</b> 0215 1.30 0827 0.63 1513 1.50 2142 0.75	
<b>26</b> 0325 1.26 0922 0.63 1610 1.56 2248 0.68	<b>27</b> 0431 1.26 1017 0.62 1702 1.65 2345 0.57	<b>28</b> 0530 1.30 1111 0.58 1752 1.75 1840 1.85	<b>29</b> 0033 0.46 0624 1.36 1201 0.52 1840 1.85	<b>30</b> 0118 0.35 0715 1.43 1251 0.46 1927 1.94	<b>31</b> ○ 0202 0.26 0803 1.50 1341 0.40 2014 2.00		

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NEWCASTLE							
LAT 32° 56' LONG 151° 47' TIME ZONE -1000							
TIMES AND HEIGHTS OF HIGH AND LOW WATERS							
AUGUST - 2015							
SUN. TIME M	MON. TIME M	TUES. TIME M	WED. TIME M	THURS. TIME M	FRI. TIME M	SAT. TIME M	
							<b>1</b> 0246 0.19 0852 1.56 1431 0.37 2100 2.01
<b>2</b> 0331 0.15 0941 1.61 1523 0.36 2148 1.98	<b>3</b> 0417 0.16 1030 1.64 1617 0.38 2238 1.89	<b>4</b> 0504 0.21 1121 1.66 1715 0.43 2329 1.76	<b>5</b> 0552 0.28 1215 1.66 1815 0.50 1922 0.56	<b>6</b> 0024 1.61 0643 0.37 1311 1.64 1922 0.56	<b>7</b> ● 0124 1.45 0737 0.46 1412 1.64 2038 0.60	<b>8</b> 0234 1.33 0835 0.53 1516 1.64 2157 0.59	
<b>9</b> 0350 1.27 0937 0.58 1621 1.67 2309 0.55	<b>10</b> 0501 1.27 1038 0.59 1719 1.71 1811 1.74	<b>11</b> 0007 0.49 0600 1.30 1134 0.57 1811 1.74	<b>12</b> 0054 0.43 0650 1.35 1224 0.55 1857 1.77	<b>13</b> 0134 0.39 0734 1.39 1309 0.52 1937 1.78	<b>14</b> 0210 0.36 0814 1.43 1349 0.51 2015 1.78	<b>15</b> ● 0243 0.35 0849 1.45 1428 0.51 2050 1.76	
<b>16</b> 0315 0.36 0924 1.47 1504 0.51 2124 1.72	<b>17</b> 0345 0.37 0959 1.48 1542 0.53 2157 1.66	<b>18</b> 0415 0.40 1033 1.49 1622 0.56 2231 1.59	<b>19</b> 0448 0.44 1111 1.49 1704 0.60 2309 1.50	<b>20</b> 0524 0.48 1150 1.48 1751 0.64 2349 1.41	<b>21</b> 0601 0.53 1234 1.47 1845 0.68	<b>22</b> 0037 1.31 0645 0.58 1325 1.46 1948 0.71	
<b>23</b> ● 0136 1.24 0736 0.63 1423 1.47 2100 0.69	<b>24</b> 0248 1.20 0838 0.64 1527 1.52 2213 0.62	<b>25</b> 0402 1.21 0944 0.62 1629 1.60 2314 0.52	<b>26</b> 0507 1.28 1045 0.57 1724 1.71 1815 1.82	<b>27</b> 0005 0.40 0603 1.37 1142 0.48 1815 1.82	<b>28</b> 0051 0.28 0654 1.47 1235 0.39 1904 1.91	<b>29</b> 0136 0.18 0742 1.57 1327 0.31 1953 1.97	

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NEWCASTLE							
LAT 32° 56' LONG 151° 47' TIME ZONE -1000							
TIMES AND HEIGHTS OF HIGH AND LOW WATERS							
SEPTEMBER – 2015							
SUN. TIME M	MON. TIME M	TUES. TIME M	WED. TIME M	THURS. TIME M	FRI. TIME M	SAT. TIME M	
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b> ☉	
		0350 0.12	0436 0.19	0524 0.29	0010 1.49	0012 1.35	
		1007 1.76	1057 1.76	1149 1.73	0615 0.41	0710 0.52	
		1606 0.27	1703 0.33	1804 0.41	1244 1.69	1345 1.63	
		2222 1.80	2315 1.66		1912 0.49	2026 0.54	
<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	
0224 1.25	0342 1.21	0451 1.24	0546 1.29	0029 0.44	0105 0.40	0138 0.37	
0811 0.60	0918 0.64	1024 0.64	1122 0.61	0631 1.36	0711 1.42	0746 1.47	
1451 1.59	1558 1.59	1659 1.60	1750 1.63	1212 0.56	1255 0.52	1333 0.48	
2143 0.55	2251 0.53	2345 0.49		1834 1.66	1914 1.67	1949 1.67	
<b>13</b> ☉	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	
0208 0.36	0238 0.36	0307 0.37	0337 0.39	0409 0.43	0443 0.49	0520 0.54	
0820 1.51	0853 1.54	0925 1.57	0959 1.58	1033 1.58	1111 1.56	1152 1.53	
1410 0.46	1445 0.45	1523 0.46	1600 0.48	1642 0.51	1727 0.55	1816 0.59	
2024 1.66	2057 1.63	2131 1.58	2207 1.52	2245 1.44	2325 1.36		
<b>20</b>	<b>21</b> ☉	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	
0013 1.28	0112 1.21	0224 1.19	0340 1.23	0445 1.31	0541 1.43	0020 0.23	
0603 0.60	0657 0.65	0803 0.67	0916 0.65	1025 0.57	1126 0.47	0631 1.56	
1241 1.51	1339 1.49	1446 1.51	1555 1.58	1656 1.67	1751 1.77	1221 0.36	
1915 0.62	2026 0.61	2137 0.55	2240 0.46	2332 0.34		1843 1.85	
<b>27</b>	<b>28</b> ☉	<b>29</b>	<b>30</b>				
0106 0.15	0150 0.11	0235 0.12	0321 0.17				
0719 1.68	0807 1.78	0855 1.85	0943 1.88				
1315 0.27	1407 0.20	1501 0.18	1556 0.21				
1933 1.88	2024 1.86	2115 1.79	2207 1.68				

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NEWCASTLE							
LAT 32° 56' LONG 151° 47' TIME ZONE -1000							
TIMES AND HEIGHTS OF HIGH AND LOW WATERS							
OCTOBER – 2015							
SUN. TIME M	MON. TIME M	TUES. TIME M	WED. TIME M	THURS. TIME M	FRI. TIME M	SAT. TIME M	
				<b>1</b>	<b>2</b>	<b>3</b>	
				0408 0.26	0456 0.37	0546 0.49	
				1032 1.86	1123 1.81	1215 1.72	
				1653 0.26	1752 0.35	1856 0.43	
				2300 1.54	2357 1.41		
<b>4</b>	<b>5</b> ☉	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	
0100 1.30	0209 1.23	0324 1.22	0430 1.26	0521 1.33	0604 1.41	0026 0.44	
0642 0.60	0745 0.68	0854 0.72	1002 0.70	1103 0.66	1154 0.60	0642 1.48	
1313 1.63	1416 1.55	1524 1.51	1626 1.50	1719 1.52	1804 1.54	1238 0.54	
2004 0.50	2113 0.54	2215 0.54	2307 0.51	2350 0.48		1844 1.56	
<b>11</b>	<b>12</b>	<b>13</b> ☉	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	
0059 0.41	0129 0.39	0159 0.39	0230 0.40	0300 0.43	0334 0.47	0409 0.52	
0716 1.54	0749 1.60	0821 1.64	0853 1.67	0927 1.69	1001 1.68	1039 1.66	
1316 0.49	1353 0.45	1430 0.42	1506 0.41	1544 0.42	1625 0.44	1708 0.47	
1921 1.56	1957 1.56	2032 1.54	2108 1.50	2146 1.45	2226 1.40	2309 1.34	
<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b> ☉	<b>22</b>	<b>23</b>	<b>24</b>	
0449 0.58	0535 0.63	0058 1.24	0206 1.25	0318 1.30	0421 1.40	0516 1.54	
1120 1.63	1207 1.59	0631 0.68	0740 0.70	0854 0.67	1006 0.59	1110 0.49	
1757 0.50	1852 0.52	1303 1.55	1411 1.54	1521 1.57	1627 1.63	1726 1.69	
2359 1.28		1956 0.52	2102 0.48	2203 0.41	2258 0.33	2347 0.25	
<b>25</b>	<b>26</b>	<b>27</b> ☉	<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>	
0607 1.67	0034 0.20	0120 0.18	0206 0.21	0253 0.27	0340 0.36	0429 0.46	
1209 0.37	0656 1.80	0744 1.89	0831 1.95	0920 1.97	1008 1.94	1057 1.86	
1821 1.74	1304 0.27	1359 0.20	1452 0.17	1546 0.19	1640 0.24	1735 0.32	
	1914 1.74	2007 1.71	2100 1.65	2153 1.56	2247 1.46	2343 1.37	

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NEWCASTLE							
LAT 32° 56' LONG 151° 47' TIME ZONE -1000							
TIMES AND HEIGHTS OF HIGH AND LOW WATERS							
NOVEMBER – 2015							
SUN.	MON.	TUES.	WED.	THURS.	FRI.	SAT.	
TIME M	TIME M	TIME M	TIME M	TIME M	TIME M	TIME M	TIME M
<b>1</b>	<b>2</b>	<b>3</b> ●	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	
0518 0.57 1145 1.76 1832 0.41	0041 1.30 0612 0.67 1237 1.64 1930 0.48	0143 1.26 0712 0.74 1332 1.54 2029 0.53	0249 1.26 0818 0.78 1434 1.46 2124 0.55	0350 1.31 0928 0.77 1538 1.42 2215 0.55	0443 1.37 1031 0.73 1635 1.42 2259 0.52	0528 1.45 1128 0.66 1726 1.43 2338 0.49	
<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b> ●	<b>13</b>	<b>14</b>	
0606 1.53 1215 0.59 1810 1.45	0015 0.47 0643 1.61 1257 0.52 1851 1.46	0048 0.45 0716 1.67 1335 0.46 1930 1.46	0121 0.45 0750 1.73 1413 0.42 2008 1.45	0154 0.45 0825 1.77 1450 0.39 2047 1.44	0229 0.47 0900 1.79 1529 0.37 2129 1.41	0305 0.50 0937 1.79 1610 0.37 2211 1.38	
<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b> ●	<b>20</b>	<b>21</b>	
0345 0.54 1015 1.77 1653 0.39 2257 1.35	0428 0.59 1058 1.74 1740 0.41 2347 1.33	0517 0.64 1145 1.69 1832 0.43 2347 1.33	0044 1.32 0615 0.68 1239 1.64 1930 0.43	0147 1.34 0721 0.69 1342 1.59 2030 0.42	0254 1.40 0834 0.68 1450 1.57 2129 0.39	0356 1.50 0947 0.61 1600 1.57 2224 0.35	
<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b> ○	<b>27</b>	<b>28</b>	
0452 1.62 1056 0.52 1702 1.58 2315 0.31	0545 1.75 1159 0.41 1801 1.59	0004 0.29 0634 1.86 1257 0.31 1858 1.58	0053 0.29 0724 1.95 1352 0.24 1953 1.56	0140 0.32 0812 2.00 1444 0.21 2046 1.52	0228 0.37 0900 2.00 1535 0.21 2139 1.48	0315 0.44 0946 1.96 1624 0.25 2230 1.42	
<b>29</b>	<b>30</b>						
0402 0.52 1032 1.88 1713 0.32 2321 1.37	0450 0.61 1116 1.78 1800 0.39						

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NEWCASTLE							
LAT 32° 56' LONG 151° 47' TIME ZONE -1000							
TIMES AND HEIGHTS OF HIGH AND LOW WATERS							
DECEMBER – 2015							
SUN.	MON.	TUES.	WED.	THURS.	FRI.	SAT.	
TIME M	TIME M	TIME M	TIME M	TIME M	TIME M	TIME M	TIME M
<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b> ●	<b>12</b>	
0442 1.47 1051 0.73 1639 1.34 2247 0.54	0527 1.55 1146 0.65 1731 1.35 2330 0.52	0607 1.63 1233 0.57 1819 1.36	0009 0.51 0645 1.70 1315 0.49 1903 1.38	0046 0.50 0722 1.77 1355 0.43 1946 1.39	0124 0.49 0800 1.82 1433 0.37 2029 1.40	0202 0.49 0838 1.86 1513 0.33 2112 1.41	
<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b> ●	
0243 0.49 0917 1.88 1554 0.31 2156 1.41	0327 0.51 0959 1.87 1637 0.31 2243 1.41	0414 0.54 1043 1.84 1723 0.32 2332 1.40	0505 0.58 1129 1.78 1812 0.34	0027 1.41 0601 0.62 1220 1.70 1903 0.36	0125 1.44 0704 0.65 1317 1.61 1959 0.38	0227 1.49 0815 0.66 1424 1.53 2055 0.40	
<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b> ○	<b>26</b>	
0329 1.56 0930 0.63 1534 1.48 2152 0.40	0428 1.66 1045 0.56 1644 1.45 2247 0.40	0524 1.77 1153 0.46 1747 1.44 2340 0.40	0617 1.86 1252 0.37 1847 1.44	0031 0.40 0708 1.93 1345 0.30 1943 1.45	0120 0.41 0756 1.97 1434 0.26 2034 1.45	0208 0.44 0843 1.97 1520 0.25 2123 1.44	
<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>				
0254 0.48 0927 1.93 1603 0.28 2209 1.42	0339 0.53 1008 1.87 1645 0.33 2252 1.40	0423 0.59 1047 1.78 1724 0.39 2335 1.38	0506 0.65 1125 1.68 1802 0.45 1842 0.50				

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