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CHARLES PT PATCHES

LAT 12° 20' S LONG 130° 42' E TIME ZONE -0930
TIMES AND HEIGHTS OF HIGH AND LOW WATERS

JANUARY - 2021

Time	m	Time	m	Time	m	Time	m		
1	0119 2.87 0637 5.92 FR 1316 0.80 2000 6.99	9	0048 5.54 0811 2.08 SA 1456 5.40 2036 3.73	17	0241 2.32 0814 6.11 SU 1433 1.39 2101 6.85	25	0220 4.67 0950 2.35 MO 1645 5.61 2241 3.80		
2	0156 2.81 0715 6.00 SA 1351 0.87 2034 6.95	10	0204 5.40 0919 1.72 SU 1612 5.87 2202 3.60	18	0316 2.32 0854 5.88 MO 1501 1.85 2129 6.58	26	0345 4.79 1039 1.98 TU 1728 6.05 2327 3.51		
3	0233 2.75 0756 5.98 SU 1426 1.09 2108 6.84	11	0319 5.45 1020 1.34 MO 1709 6.35 2308 3.33	19	0353 2.39 0934 5.58 TU 1529 2.35 2155 6.27	27	0437 5.06 1121 1.59 WE 1804 6.45		
4	0314 2.70 0841 5.84 MO 1502 1.47 2144 6.64	12	0423 5.64 1114 1.00 TU 1758 6.75	20	0431 2.51 1019 5.24 WE 1558 2.84 2221 5.93	28	0003 3.22 0519 5.41 TH 1200 1.23 1839 6.78		
5	0358 2.65 0932 5.62 TU 1543 1.96 2220 6.40	13	0000 3.03 0517 5.87 WE 1202 0.76 ● 1841 7.03	21	0516 2.65 1114 4.93 TH 1635 3.33 ● 2250 5.56	29	0038 2.93 0559 5.79 FR 1237 0.93 ○ 1912 7.03		
6	0447 2.60 1032 5.35 WE 1630 2.53 ● 2300 6.10	14	0045 2.75 0606 6.08 TH 1246 0.67 1920 7.17	22	0615 2.77 1227 4.72 FR 1731 3.78 2328 5.18	30	0112 2.65 0638 6.14 SA 1313 0.77 1944 7.19		
7	0546 2.52 1145 5.14 TH 1730 3.11 2347 5.80	15	0126 2.54 0651 6.20 FR 1327 0.76 1957 7.17	23	0730 2.79 1418 4.78 SA 1911 4.10	31	0145 2.38 0718 6.39 SU 1347 0.78 2015 7.25		
8	0656 2.36 1317 5.11 FR 1855 3.56	16	0204 2.39 0733 6.22 SA 1402 1.01 2030 7.06	24	0030 4.83 0849 2.63 SU 1550 5.15 2124 4.07				

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CHARLES PT PATCHES

LAT 12° 20' S LONG 130° 42' E TIME ZONE -0930
TIMES AND HEIGHTS OF HIGH AND LOW WATERS

FEBRUARY - 2021

Time	m	Time	m	Time	m	Time	m		
1	0220 2.14 0800 6.50 MO 1421 0.99 2045 7.19	9	0304 4.97 1017 1.78 TU 1711 6.14 2317 3.45	17	0313 1.89 0910 6.10 WE 1500 2.24 2111 6.48	25	0426 4.91 1107 1.85 TH 1747 6.35 2349 3.12		
2	0256 1.96 0844 6.45 TU 1455 1.38 2115 7.02	10	0427 5.28 1115 1.44 WE 1754 6.57	18	0342 2.03 0946 5.77 TH 1524 2.66 2130 6.16	26	0513 5.47 1146 1.40 FR 1818 6.75		
3	0333 1.87 0929 6.22 WE 1530 1.92 2145 6.74	11	0001 2.97 0524 5.69 TH 1202 1.18 1831 6.89	19	0411 2.25 1027 5.40 FR 1553 3.12 2150 5.79	27	0020 2.66 0553 6.05 SA 1224 1.04 ○ 1848 7.06		
4	0414 1.88 1019 5.88 TH 1606 2.55 2216 6.37	12	0039 2.55 0610 6.08 FR 1243 1.04 ● 1905 7.08	20	0445 2.51 1118 5.03 SA 1630 3.63 ● 2213 5.37	28	0051 2.20 0632 6.56 SU 1259 0.84 1917 7.28		
5	0500 1.98 1120 5.48 FR 1651 3.23 ● 2253 5.92	13	0114 2.22 0650 6.36 SA 1316 1.06 1936 7.14	21	0535 2.77 1241 4.77 SU 1733 4.12 2242 4.92				
6	0600 2.13 1242 5.18 SA 1800 3.85 2341 5.43	14	0145 1.99 0727 6.50 SU 1346 1.23 2003 7.08	22	0714 2.93 1514 4.90 MO 2032 4.36 2348 4.49				
7	0725 2.22 1438 5.21 SU 2011 4.17	15	0215 1.86 0801 6.50 MO 1413 1.51 2029 6.95	23	0911 2.75 1631 5.39 TU 2240 4.00				
8	0104 5.02 0900 2.09 MO 1613 5.64 2213 3.92	16	0245 1.83 0836 6.35 TU 1436 1.85 2050 6.74	24	0309 4.46 1019 2.33 WE 1714 5.89 2318 3.57				

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CHARLES PT PATCHES

LAT 12° 20' S LONG 130° 42' E TIME ZONE -0930
TIMES AND HEIGHTS OF HIGH AND LOW WATERS

MARCH - 2021

Time	m	Time	m	Time	m	Time	m		
1	0124 1.77 0713 6.93 MO 1332 0.84 1946 7.39	9	0027 4.63 0855 2.50 TU 1613 5.56 2228 3.78	17	0210 1.44 0815 6.69 WE 1409 1.97 2011 6.68	25	0243 4.34 0949 2.61 TH 1642 5.75 2249 3.40		
2	0157 1.42 0753 7.08 TU 1406 1.06 2015 7.35	10	0324 4.70 1017 2.20 WE 1701 6.04 2315 3.18	18	0233 1.50 0845 6.46 TH 1431 2.28 2029 6.47	26	0412 4.96 1042 2.11 FR 1715 6.20 2319 2.82		
3	0230 1.21 0834 7.00 WE 1439 1.48 2043 7.17	11	0439 5.22 1112 1.87 TH 1739 6.43 2349 2.64	19	0257 1.64 0918 6.15 FR 1456 2.65 2046 6.19	27	0458 5.68 1123 1.65 SA 1745 6.61 2349 2.23		
4	0305 1.17 0917 6.70 TH 1511 2.06 2111 6.84	12	0527 5.77 1154 1.61 FR 1811 6.71	20	0319 1.87 0954 5.77 SA 1522 3.08 2105 5.83	28	0539 6.38 1200 1.30 SU 1814 6.94		
5	0342 1.32 1004 6.23 FR 1545 2.73 2139 6.38	13	0021 2.20 0605 6.24 SA 1229 1.47 ● 1841 6.89	21	0344 2.16 1038 5.35 SU 1554 3.57 2126 5.41	29	0021 1.65 0618 6.95 MO 1236 1.12 ○ 1843 7.18		
6	0423 1.64 1100 5.69 SA 1625 3.42 ● 2210 5.82	14	0050 1.86 0640 6.58 SU 1259 1.45 1907 6.95	22	0414 2.51 1142 4.97 MO 1645 4.08 ● 2149 4.95	30	0054 1.14 0659 7.32 TU 1312 1.15 1912 7.29		
7	0515 2.06 1216 5.21 SU 1730 4.07 2250 5.20	15	0118 1.62 0712 6.77 MO 1324 1.55 1930 6.93	23	0515 2.89 1357 4.84 TU 1943 4.39 2230 4.47	31	0129 0.78 0740 7.44 WE 1345 1.39 1942 7.25		
8	0646 2.46 1430 5.13 MO 2030 4.30	16	0145 1.48 0744 6.80 TU 1347 1.73 1952 6.83	24	0814 3.00 1600 5.25 WE 2217 3.94				

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CHARLES PT PATCHES

LAT 12° 20' S LONG 130° 42' E TIME ZONE -0930
TIMES AND HEIGHTS OF HIGH AND LOW WATERS

APRIL - 2021

Time	m	Time	m	Time	m	Time	m		
1	0203 0.62 0821 7.29 TH 1420 1.81 2010 7.05	9	0436 5.33 1055 2.31 FR 1709 6.18 2322 2.28	17	0220 1.36 0858 6.33 SA 1435 2.78 2012 6.01	25	0434 5.86 1050 2.02 SU 1700 6.32 2312 1.75		
2	0239 0.69 0905 6.91 FR 1455 2.36 2040 6.67	10	0515 5.88 1133 2.09 SA 1740 6.40 2351 1.88	18	0242 1.57 0933 5.98 SU 1504 3.15 2033 5.69	26	0517 6.55 1131 1.74 MO 1731 6.63 2347 1.15		
3	0315 1.01 0951 6.38 SA 1531 2.98 2110 6.15	11	0549 6.33 1205 1.95 SU 1807 6.53	19	0305 1.88 1015 5.59 MO 1541 3.57 2059 5.29	27	0600 7.08 1210 1.61 TU 1804 6.86 ○		
4	0356 1.51 1045 5.79 SU 1619 3.59 ● 2144 5.52	12	0019 1.58 0621 6.66 MO 1232 1.90 ● 1831 6.58	20	0335 2.27 1113 5.22 TU 1644 3.98 ● 2134 4.84	28	0023 0.66 0643 7.39 WE 1248 1.65 1836 6.97		
5	0447 2.13 1200 5.29 MO 1747 4.08 2233 4.85	13	0046 1.36 0652 6.84 TU 1258 1.94 1854 6.57	21	0432 2.73 1245 5.01 WE 1910 4.12 2301 4.39	29	0100 0.36 0726 7.45 TH 1327 1.86 1909 6.92		
6	0625 2.69 1409 5.17 TU 2047 3.98	14	0112 1.23 0723 6.88 WE 1321 2.04 1914 6.52	22	0706 3.02 1446 5.18 TH 2115 3.68	30	0139 0.30 0810 7.27 FR 1405 2.21 1943 6.70		
7	0059 4.36 0843 2.81 WE 1545 5.50 2209 3.37	15	0135 1.19 0753 6.80 TH 1344 2.22 1932 6.41	23	0213 4.44 0902 2.79 FR 1546 5.57 2201 3.06				
8	0338 4.72 1003 2.58 TH 1632 5.88 2249 2.79	16	0158 1.23 0825 6.61 FR 1409 2.46 1952 6.25	24	0344 5.11 1004 2.40 SA 1625 5.96 2237 2.41				

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CHARLES PT PATCHES

LAT 12° 20' S LONG 130° 42' E TIME ZONE -0930
TIMES AND HEIGHTS OF HIGH AND LOW WATERS

MAY - 2021

Time	m	Time	m	Time	m	Time	m
1 0218 SA 1446 2017	0.49 6.90 2.64 6.31	9 0453 SU 1659 2316	5.82 2.61 5.94 1.72	17 0222 MO 1502 2018	1.38 6.11 3.18 5.48	25 0456 TU 1647 2315	6.46 2.30 6.20 0.84
2 0259 SU 1532 2055	0.92 6.41 3.10 5.78	10 0527 MO 1728 2345	6.21 2.46 6.03 1.46	18 0251 TU 1548 2057	1.69 5.81 3.44 5.14	26 0544 WE 1726 2357	6.91 2.19 6.40 0.44
3 0342 MO 1632 2141	1.52 5.90 3.50 5.18	11 0600 TU 1753	6.51 2.37 6.07	19 0330 WE 1657 2155	2.09 5.52 3.63 4.77	27 0630 TH 1805	7.16 2.20 6.50
4 0437 TU 1805 2255	2.20 5.47 3.71 4.60	12 0014 WE 1816	1.26 6.69 2.35 6.09	20 0435 TH 1832 2333	2.54 5.31 3.58 4.51	28 0040 FR 1315 1845	0.23 7.22 2.30 6.47
5 0604 WE 2009	2.80 5.27 3.48	13 0040 TH 1838	1.13 6.76 2.39 6.07	21 0618 FR 2004	2.88 5.27 3.20	29 0123 SA 1359 1926	0.25 7.10 2.47 6.29
6 0118 TH 1449 2124	4.37 3.06 5.38 2.97	14 0106 FR 1325 1900	1.06 6.72 2.51 6.03	22 0136 SA 1430 2105	4.66 2.91 5.42 6.23	30 0207 SU 1445 2009	0.50 6.83 2.68 5.97
7 0320 FR 1545 2209	4.78 2.97 5.60 2.47	15 0130 SA 1354 1923	1.07 6.59 2.69 5.92	23 0306 SU 1523 2151	5.22 2.72 5.67 2.00	31 0251 MO 1536 2056	0.95 6.46 2.89 5.55
8 0415 SA 1626 2245	5.33 2.79 5.79 2.05	16 0156 SU 1426 1948	1.17 6.37 2.92 5.75	24 0406 MO 1607 2233	5.88 2.49 5.95 1.38		

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CHARLES PT PATCHES

LAT 12° 20' S LONG 130° 42' E TIME ZONE -0930
TIMES AND HEIGHTS OF HIGH AND LOW WATERS

JUNE - 2021

Time	m	Time	m	Time	m	Time	m
1 0336 TU 1634 2152	1.54 6.07 3.06 5.08	9 0539 WE 1716 2345	6.21 2.79 5.51 1.31	17 0338 TH 1645 2214	1.88 5.86 3.00 4.99	25 0622 FR 1747	6.83 2.56 6.04
2 0426 WE 1745 2303	2.19 5.69 3.12 4.67	10 0614 TH 1744	6.42 2.71 5.58	18 0430 FR 1749 2330	2.32 5.65 2.88 4.85	26 0030 SA 1310 1834	0.36 6.96 2.46 6.10
3 0529 TH 1909	2.78 5.40 2.98	11 0015 FR 1243 1811	1.14 6.54 2.68 5.64	19 0539 SA 1900	2.73 5.47 2.62	27 0116 SU 1356 1922	0.39 6.95 2.40 6.06
4 0044 FR 1329 2024	4.51 3.20 5.24 2.68	12 0045 SA 1315 1839	1.02 6.58 2.71 5.68	20 0100 SU 1310 2008	4.91 3.00 5.38 2.22	28 0201 MO 1441 2009	0.61 6.80 2.39 5.90
5 0231 SA 1438 2119	4.74 3.33 5.24 2.34	13 0115 SU 1349 1909	0.98 6.54 2.77 5.68	21 0229 MO 1415 2106	5.23 3.08 5.40 1.73	29 0243 TU 1526 2057	1.01 6.56 2.41 5.63
6 0338 SU 1531 2201	5.15 3.25 5.30 2.02	14 0147 MO 1426 1944	1.04 6.43 2.86 5.60	22 0341 TU 1514 2200	5.70 3.01 5.52 1.25	30 0323 WE 1613 2147	1.53 6.24 2.46 5.30
7 0424 MO 1612 2239	5.56 3.08 5.38 1.74	15 0219 TU 1505 2024	1.22 6.28 2.94 5.44	23 0440 WE 1608 2251	6.17 2.86 5.70 0.83		
8 0502 TU 1646 2313	5.92 2.92 5.45 1.51	16 0255 WE 1551 2113	1.50 6.08 3.00 5.22	24 0533 TH 1659 2341	6.56 2.70 5.89 0.52		

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CHARLES PT PATCHES

LAT 12° 20' S LONG 130° 42' E TIME ZONE -0930
TIMES AND HEIGHTS OF HIGH AND LOW WATERS

JULY - 2021

Time	m	Time	m	Time	m	Time	m
1 0401 TH 1704 2244	2.12 5.90 2.53 4.97	9 0600 FR 1722 2359	6.16 2.92 5.18 1.23	17 0412 SA 1706 2311	2.18 5.94 2.17 5.23	25 0028 SU 1305 1835	0.62 6.82 2.27 6.03
2 0444 FR 1803 2352	2.68 5.55 2.56 4.73	10 0637 SA 1756	6.38 2.79 5.38	18 0501 SU 1804	2.70 2.10	26 0112 MO 1345 1920	0.61 6.88 2.04 6.16
3 0535 SA 1910	3.17 5.22 2.52	11 0034 SU 1309 1830	1.03 6.52 2.68 5.57	19 0026 MO 1201 1914	5.09 3.18 5.36 1.97	27 0151 TU 1424 2003	0.78 6.82 1.90 6.14
4 0119 SU 1253 2017	4.68 3.51 4.95 2.39	12 0109 MO 1344 1908	0.91 6.59 2.58 5.72	20 0158 TU 1308 2030	5.14 3.48 5.12 1.74	28 0227 WE 1500 2045	1.12 6.64 1.85 5.98
5 0247 MO 1409 2114	4.88 3.60 4.80 2.20	13 0143 TU 1418 1947	0.91 6.59 2.48 5.79	21 0327 WE 1430 2140	5.44 3.48 5.06 1.43	29 0259 TH 1537 2128	1.57 6.38 1.90 5.71
6 0351 TU 1516 2201	5.21 3.49 4.79 1.97	14 0217 WE 1456 2030	1.04 6.52 2.39 5.77	22 0435 TH 1547 2243	5.87 3.25 5.21 1.09	30 0328 FR 1615 2211	2.07 6.06 2.02 5.37
7 0440 WE 1606 2244	5.56 3.29 4.87 1.72	15 0253 TH 1534 2117	1.31 6.38 2.31 5.64	23 0530 FR 1651 2338	6.29 2.91 5.48 0.80	31 0358 SA 1655 2301	2.58 5.71 2.20 5.03
8 0522 TH 1646 2322	5.89 3.09 5.00 1.47	16 0330 FR 1617 2210	1.70 6.19 2.24 5.45	24 0617 SA 1745	6.61 2.57 5.79		

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CHARLES PT PATCHES

LAT 12° 20' S LONG 130° 42' E TIME ZONE -0930
TIMES AND HEIGHTS OF HIGH AND LOW WATERS

AUGUST - 2021

Time	m	Time	m	Time	m	Time	m
1 0432 SU 1745	3.06 5.33 2.40	9 0024 MO 1255 1828	1.06 6.57 2.38 5.81	17 0526 TU 1825	3.45 5.24 1.98	25 0132 WE 1356 1949	1.07 6.80 1.41 6.52
2 0004 MO 1107 1852	4.76 3.49 4.93 2.53	10 0059 TU 1327 1905	0.87 6.72 2.11 6.13	18 0137 WE 1213 2006	5.02 3.86 4.79 2.02	26 0201 TH 1426 2025	1.35 6.65 1.37 6.39
3 0137 TU 1200 2015	4.68 3.81 4.54 2.52	11 0131 WE 1359 1944	0.82 6.79 1.86 6.32	19 0328 TH 1414 2139	5.28 3.73 4.60 1.80	27 0228 FR 1455 2100	1.71 6.43 1.45 6.13
4 0318 WE 1349 2127	4.90 3.81 4.30 2.33	12 0205 TH 1431 2025	0.95 6.77 1.66 6.35	20 0438 FR 1557 2245	5.75 3.25 4.90 1.46	28 0251 SA 1522 2136	2.12 6.16 1.62 5.78
5 0423 TH 1536 2222	5.29 3.54 4.39 2.04	13 0237 FR 1506 2108	1.24 6.65 1.54 6.21	21 0526 SA 1700 2338	6.20 2.72 5.39 1.15	29 0316 SU 1551 2216	2.55 5.83 1.88 5.39
6 0509 FR 1631 2308	5.68 3.23 4.67 1.69	14 0311 SA 1542 2155	1.69 6.43 1.51 5.92	22 0606 SU 1750	6.54 2.24 5.88	30 0345 MO 1622 2305	2.99 5.44 2.20 5.00
7 0547 SA 1714 2347	6.05 2.93 5.03 1.35	15 0345 SU 1623 2248	2.24 6.11 1.60 5.55	23 0021 MO 1250 1832	0.96 6.76 1.85 6.26	31 0424 TU 1705	3.46 5.00 2.54
8 0622 SU 1750	6.34 2.66 5.43	16 0427 MO 1714 2358	2.86 5.71 1.78 5.18	24 0100 TU 1324 1912	0.93 6.84 1.57 6.48		

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CHARLES PT PATCHES

LAT 12° 20' S LONG 130° 42' E TIME ZONE -0930
TIMES AND HEIGHTS OF HIGH AND LOW WATERS

SEPTEMBER – 2021

Time	m	Time	m	Time	m	Time	m
1	0020 4.70 0532 3.91 WE 1017 4.54 1835 2.81	9	0112 0.93 0721 6.93 TH 1330 1.17 1932 6.92	17	0331 5.33 0957 3.55 FR 1448 4.37 2143 2.20	25	0156 1.97 0749 6.39 SA 1413 1.13 2033 6.46
2	0241 4.74 0854 4.03 TH 1121 4.08 2050 2.74	10	0144 1.08 0747 6.93 FR 1401 0.93 2012 6.92	18	0430 5.79 1046 2.91 SA 1616 4.97 2244 1.86	26	0218 2.29 0807 6.16 SU 1435 1.32 2106 6.12
3	0408 5.16 1035 3.61 FR 1526 4.11 2203 2.38	11	0215 1.42 0814 6.80 SA 1433 0.85 2053 6.69	19	0509 6.19 1122 2.32 SU 1706 5.61 2329 1.58	27	0243 2.65 0825 5.86 MO 1456 1.60 2142 5.73
4	0452 5.62 1106 3.18 SA 1627 4.60 2251 1.95	12	0247 1.92 0841 6.54 SU 1507 0.96 2138 6.27	20	0544 6.48 1155 1.82 MO 1745 6.16	28	0311 3.06 0843 5.49 TU 1516 1.95 2224 5.32
5	0527 6.02 1133 2.76 SU 1706 5.17 2330 1.53	13	0321 2.52 0908 6.14 MO 1545 1.25 2230 5.76	21	0006 1.42 0615 6.66 TU 1226 1.44 1822 6.56	29	0346 3.51 0900 5.05 WE 1540 2.36 2325 4.94
6	0557 6.37 1200 2.34 MO 1742 5.76	14	0401 3.16 0938 5.62 TU 1630 1.70 2338 5.25	22	0039 1.40 0643 6.72 WE 1255 1.18 1856 6.79	30	0448 3.97 0917 4.57 TH 1623 2.81
7	0006 1.18 0626 6.64 TU 1230 1.92 1817 6.29	15	0505 3.78 1016 5.02 WE 1746 2.20	23	0108 1.50 0707 6.68 TH 1323 1.05 1929 6.83		
8	0039 0.97 0654 6.83 WE 1259 1.52 1854 6.70	16	0130 5.02 0742 4.05 TH 1140 4.41 2003 2.42	24	0132 1.70 0730 6.56 FR 1348 1.03 2001 6.71		

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CHARLES PT PATCHES

LAT 12° 20' S LONG 130° 42' E TIME ZONE -0930
TIMES AND HEIGHTS OF HIGH AND LOW WATERS

OCTOBER – 2021

Time	m	Time	m	Time	m	Time	m
1	0130 4.78 1951 3.06 FR	9	0121 1.47 0711 6.94 SA 1331 0.37 1958 7.27	17	0400 5.78 1023 2.52 SU 1616 5.20 2228 2.36	25	0154 2.56 0730 6.04 MO 1358 1.15 2044 6.36
2	0336 5.13 1017 3.56 SA 1515 4.05 2133 2.72	10	0155 1.82 0739 6.80 SU 1405 0.40 2040 6.96	18	0439 6.08 1057 1.97 MO 1658 5.83 2310 2.15	26	0221 2.85 0749 5.79 TU 1418 1.41 2119 6.02
3	0420 5.57 1037 3.05 SU 1612 4.72 2224 2.27	11	0230 2.31 0807 6.48 MO 1440 0.67 2126 6.48	19	0512 6.29 1128 1.53 TU 1732 6.34 2345 2.02	27	0252 3.19 0810 5.46 WE 1439 1.76 2200 5.65
4	0452 5.97 1101 2.52 MO 1648 5.44 2304 1.84	12	0308 2.88 0837 6.01 TU 1517 1.16 2218 5.93	20	0541 6.41 1157 1.21 WE 1805 6.70	28	0332 3.58 0833 5.05 TH 1503 2.19 2253 5.30
5	0520 6.31 1128 1.97 TU 1724 6.14 2339 1.50	13	0357 3.45 0911 5.40 WE 1604 1.80 2327 5.42	21	0015 1.98 0607 6.45 TH 1225 1.00 1837 6.90	29	0443 3.93 0903 4.57 FR 1542 2.70
6	0548 6.60 1157 1.43 WE 1800 6.74	14	0524 3.91 1000 4.72 TH 1728 2.48	22	0041 2.03 0630 6.42 FR 1250 0.89 1909 6.94	30	0015 5.06 0718 3.98 SA 1029 4.09 1816 3.15
7	0014 1.31 0615 6.81 TH 1227 0.94 1838 7.15	15	0115 5.19 0813 3.81 FR 1214 4.16 1956 2.79	23	0105 2.15 0651 6.34 SA 1315 0.89 1940 6.85	31	0215 5.14 0912 3.49 SU 1416 4.17 2037 3.03
8	0047 1.29 0643 6.94 WE 1259 0.56 1916 7.34	16	0306 5.43 0942 3.17 SA 1515 4.51 2130 2.62	24	0130 2.32 0710 6.22 SU 1337 0.97 2012 6.65		

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CHARLES PT PATCHES

LAT 12° 20' S LONG 130° 42' E TIME ZONE -0930
TIMES AND HEIGHTS OF HIGH AND LOW WATERS

NOVEMBER – 2021

Time	m	Time	m	Time	m	Time	m
1	0321 5.46 0948 2.90 MO 1538 4.88 2142 2.68	9	0223 2.67 0747 6.30 TU 1427 0.63 2119 6.65	17	0433 5.92 1057 1.49 WE 1715 6.27 2318 2.68	25	0251 3.24 0800 5.42 TH 1430 1.65 2145 6.03
2	0400 5.79 1019 2.28 TU 1621 5.64 2228 2.32	10	0311 3.08 0826 5.81 WE 1509 1.22 2211 6.17	18	0504 5.99 1128 1.23 TH 1747 6.59 2350 2.60	26	0337 3.46 0836 5.09 FR 1501 2.07 2229 5.75
3	0432 6.11 1050 1.66 WE 1701 6.35 2308 2.04	11	0411 3.44 0913 5.21 TH 1600 1.94 2312 5.73	19	0531 6.03 1156 1.05 FR 1820 6.79	27	0440 3.62 0929 4.71 SA 1550 2.55 2323 5.51
4	0503 6.40 1122 1.06 TH 1741 6.93 2345 1.88	12	0538 3.62 1025 4.60 FR 1717 2.65	20	0018 2.57 0556 6.04 SA 1223 0.94 1852 6.87	28	0607 3.59 1100 4.41 SU 1720 3.02
5	0534 6.63 1157 0.56 FR 1822 7.30	13	0032 5.45 0735 3.40 SA 1235 4.30 1915 3.09	21	0045 2.60 0619 6.01 SU 1249 0.91 1925 6.85	29	0032 5.37 0740 3.27 MO 1304 4.47 1915 3.23
6	0024 1.88 0606 6.77 SA 1231 0.21 1903 7.45	14	0206 5.45 0857 2.86 SU 1456 4.69 2054 3.13	22	0114 2.69 0642 5.96 MO 1314 0.96 1958 6.73	30	0147 5.40 0844 2.73 TU 1447 4.99 2043 3.14
7	0101 2.03 0638 6.78 SU 1309 0.10 1947 7.36	15	0312 5.62 0945 2.32 MO 1558 5.29 2157 2.99	23	0143 2.83 0705 5.86 TU 1338 1.09 2031 6.54		
8	0141 2.31 0712 6.63 MO 1346 0.24 2031 7.07	16	0357 5.79 1023 1.85 TU 1639 5.83 2242 2.82	24	0215 3.02 0730 5.68 WE 1402 1.32 2106 6.30		

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CHARLES PT PATCHES

LAT 12° 20' S LONG 130° 42' E TIME ZONE -0930
TIMES AND HEIGHTS OF HIGH AND LOW WATERS

DECEMBER – 2021

Time	m	Time	m	Time	m	Time	m
1	0247 5.57 0930 2.12 WE 1549 5.66 2145 2.94	9	0315 2.89 0832 5.78 TH 1510 1.29 2157 6.51	17	0427 5.45 1100 1.51 FR 1732 6.31 2331 3.15	25	0333 3.03 0852 5.40 SA 1509 1.89 2202 6.25
2	0335 5.80 1011 1.51 TH 1639 6.29 2236 2.74	10	0411 3.01 0928 5.32 FR 1556 1.98 2244 6.13	18	0500 5.52 1134 1.31 SA 1808 6.55	26	0419 3.03 0945 5.16 SU 1551 2.34 2240 6.01
3	0416 6.06 1051 0.94 FR 1725 6.81 2323 2.59	11	0516 3.06 1035 4.89 SA 1650 2.68 2336 5.77	19	0005 3.03 0530 5.60 SU 1205 1.16 1842 6.72	27	0514 2.97 1051 4.95 MO 1645 2.83 2323 5.78
4	0457 6.28 1131 0.48 SA 1811 7.16	12	0633 2.96 1204 4.63 SU 1803 3.26	20	0037 2.95 0559 5.67 MO 1235 1.06 1915 6.80	28	0618 2.81 1214 4.87 TU 1758 3.27
5	0008 2.52 0537 6.44 SU 1215 0.20 1857 7.34	13	0040 5.50 0753 2.70 MO 1359 4.74 1939 3.59	21	0109 2.92 0628 5.73 TU 1305 1.02 1949 6.81	29	0015 5.57 0729 2.50 WE 1351 5.06 1929 3.55
6	0052 2.54 0617 6.49 MO 1258 0.13 1942 7.33	14	0154 5.36 0856 2.36 TU 1522 5.14 2106 3.62	22	0141 2.93 0658 5.75 WE 1334 1.08 2022 6.75	30	0119 5.46 0835 2.07 TH 1517 5.49 2059 3.58
7	0138 2.62 0700 6.40 TU 1341 0.31 2027 7.16	15	0258 5.35 0944 2.03 WE 1615 5.59 2207 3.49	23	0215 2.96 0731 5.71 TH 1403 1.24 2055 6.63	31	0229 5.47 0933 1.59 FR 1623 6.02 2212 3.43
8	0226 2.75 0745 6.15 WE 1425 0.71 2112 6.87	16	0347 5.39 1025 1.75 TH 1656 5.98 2254 3.31	24	0252 3.00 0809 5.59 FR 1435 1.51 2128 6.46		

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