TABLE S4.2. Azimuths of Kahikinui and Kaupō temples in all four directions, including columns summarizing the elevation of the *heiau* and, where known, the chronology (in varying shades, depending upon the precision)

Site	Direction	Is this the direction faced by the *heiau*?	**Mean azimuth (A)**	Semi-width of az. range (Δ_A)	Elevation								Chronology							
					~0 m	~100 m	~200 m	~300 m	~400 m	~500 m	~600 m	~700 m	~A.D. 1450	~A.D. 1500	~A.D. 1550	~A.D. 1600	~A.D. 1650	~A.D. 1700	~A.D. 1750	~A.D. 1800
WF-AUW-343	N		0.0	1.0																
AUW-9	N	Yes	**0.6**	**4.2**																
WF-AUW-493	N		0.6	2.0																
LUA-39	N	Yes	**1.0**	**1.0**																
KIP-414	N		2.0	3.0																
KIP-1	N		2.8	0.5																
MAH-231	N	Yes	**3.0**	**1.0**																
LUA-1	N		6.0	4.0																
WF-AUW-176A	N	Yes	**8.1**	**1.7**																
NUU-101	N		9.0	1.0																
KAU-995 (Kou)	N		9.7	0.6																
KIP-188	N		10.5	12.5																
NUU-79	NNE		11.6	2.1																
NUU-100	NNE		12.0	3.0																
AUW-11	NNE	Yes	**17.0**	**1.0**																
WF-AUW-100	NNE	Yes	**18.9**	**0.2**																
NUU-81	NNE		19.7	1.8																
LUA-29	NNE	Yes	**33.6**	**1.0**																
NAK-27	ENE	Yes	**58.8**	**0.4**																
ALE-4	ENE		59.8	0.7																
KIP-75	ENE	Yes	**60.5**	**2.5**																
KIP-77	ENE	Yes	**60.9**	**0.6**																
KIP-567	ENE	Yes	**61.0**	**0.1**																
MAW-2	ENE		62.0	2.4																
NAK-29	ENE	Yes	**64.3**	**0.8**																
ALE-140	ENE		64.5	1.3																
LUA-4	ENE		65.5	5.4																
KAU-994 (Loʻaloʻa)	ENE	Yes	**66.3**	**0.1**																
KIP-1156	ENE	Yes	**67.0**	**0.3**																
NAK-30	ENE	Yes	**67.1**	**0.3**																
KIP-273B	ENE	Yes	**70.4**	**2.0**																
KAU-324 (Pōpōʻiwi)	ENE		71.5	2.3																

Table S4.2 (continued)

Site	Direction	Is this the direction faced by the *heiau*?	**Mean azimuth (*A*)**	Semi-width of az. range (Δ_A)
KIP-330	ENE	Yes	**73.0**	**2.0**
KIP-275	ENE	Yes	**77.4**	**9.1**
KIP-1151	ENE	Yes	**78.7**	**2.4**
ALE-121	E		79.0	5.0
NUU-175	E	Yes	**79.7**	**2.2**
LUA-3	E		80.9	5.3
LUA-36	E	Yes	**81.0**	**1.0**
NAK-34	E		81.0	1.0
KIP-366	E	Yes	**82.0**	**2.0**
KIP-307	E		82.1	2.3
KIP-273A	E		84.8	2.5
KIP-1025	E	Yes	**85.0**	**3.6**
MAH-231	E		85.0	1.5
WF-AUW-574	E		85.0	5.0
WF-AUW-338	E		85.5	4.5
KIP-1010 (E)	E		85.9	1.0
WF-AUW-391	E	Yes	**86.0**	**4.0**
ALE-1	E		86.2	5.9
WF-AUW-493	E	Yes	**87.0**	**4.0**
KIP-1	E	Yes	**87.3**	**0.6**
KIP-306	E		88.0	1.0
WF-AUW-343	E		90.0	3.0
KIP-1010 (W)	E		90.7	3.5
LUA-39	E		91.0	1.0
WF-AUW-359	E	Yes	**92.0**	**5.0**
AUW-9	E		92.5	6.5
KIP-188	E	Yes	**94.0**	**5.0**
KIP-405	E	Yes	**94.0**	**4.0**
NUU-101	E		94.0	2.0
WF-AUW-403	E	Yes	**94.7**	**0.4**
KIP-414	E	Yes	**95.0**	**2.0**
LUA-1	E	Yes	**97.0**	**4.0**
NUU-79	E	Yes	**97.8**	**2.5**
NUU-100	E		98.1	0.3
AUW-11	E		101.0	7.0

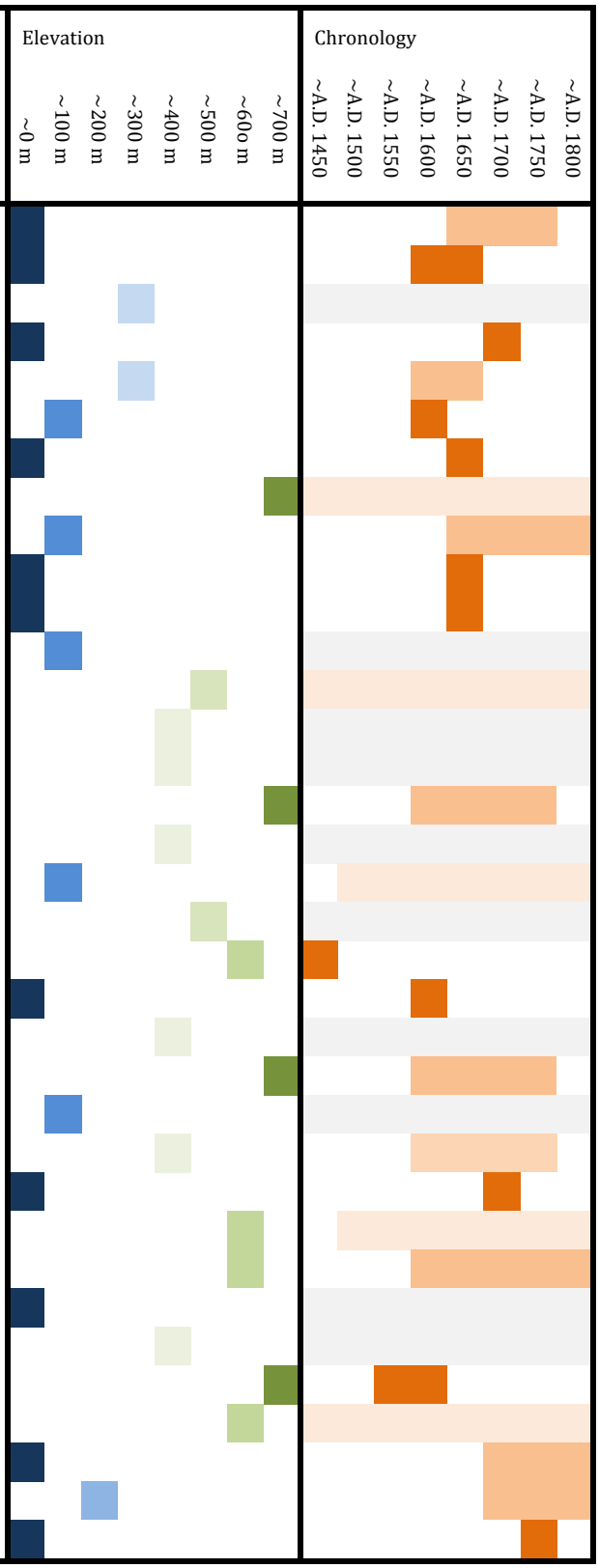
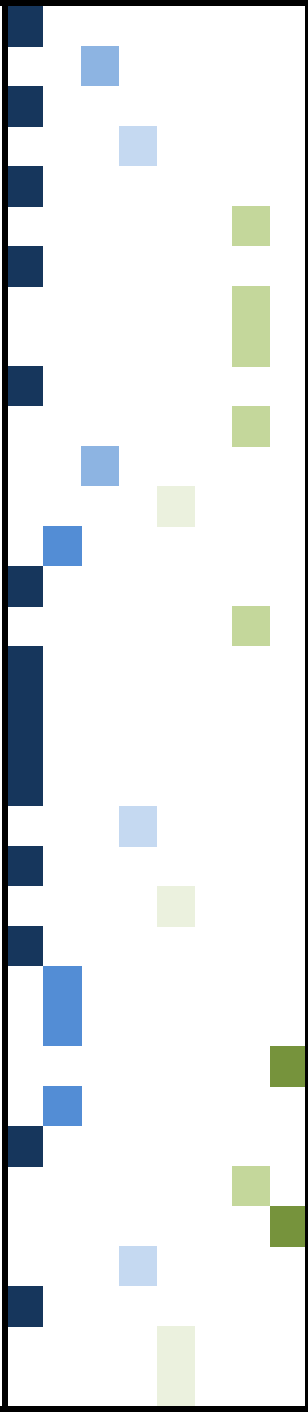


Table S4.2 (continued)

Site	Direction	Is this the direction faced by the *heiau*?	**Mean azimuth (*A*)**	Semi-width of az. range (*Δ*)
NUU-81	ESE		106.3	1.2
WF-AUW-100	ESE		106.8	3.5
KAU-995 (Kou)	ESE	Yes	**107.8**	**1.3**
WF-AUW-176A	ESE		110.9	2.1
LUA-29	ESE		120.4	0.6
NAK-27	SE		143.4	4.0
ALE-4	SSE		147.5	0.4
NAK-29	SSE		149.6	3.8
KIP-75	SSE		149.8	0.5
ALE-140	SSE		150.4	3.1
KIP-77	SSE		150.4	2.9
MAW-2	SSE		150.5	2.5
KIP-567	SSE		151.4	0.3
KAU-994 (Loʻaloʻa)	SSE		153.9	0.2
LUA-4	SSE		155.5	2.4
NAK-30	SSE		157.2	0.3
KIP-273B	SSE		159.0	1.8
KAU-324 (Pōpōʻiwi)	SSE		161.9	2.6
KIP-330	SSE		164.0	2.0
KIP-307	SSE		164.8	1.0
KIP-1151	SSE		165.7	1.2
LUA-36	SSE		166.0	1.0
KIP-1156	SSE		166.4	8.4
KIP-275	SSE		167.8	3.8
LUA-3	S		170.0	2.1
KIP-366	S		171.0	2.0
NAK-34	S		171.0	1.0
ALE-1	S		171.9	0.5
KIP-273A	S		171.9	1.8
KIP-405	S		172.0	8.0
KIP-1010 (E)	S		173.4	2.4
NUU-175	S		173.4	4.9
ALE-121	S		175.0	5.0
WF-AUW-338	S		175.0	0.5
WF-AUW-391	S		175.1	3.0



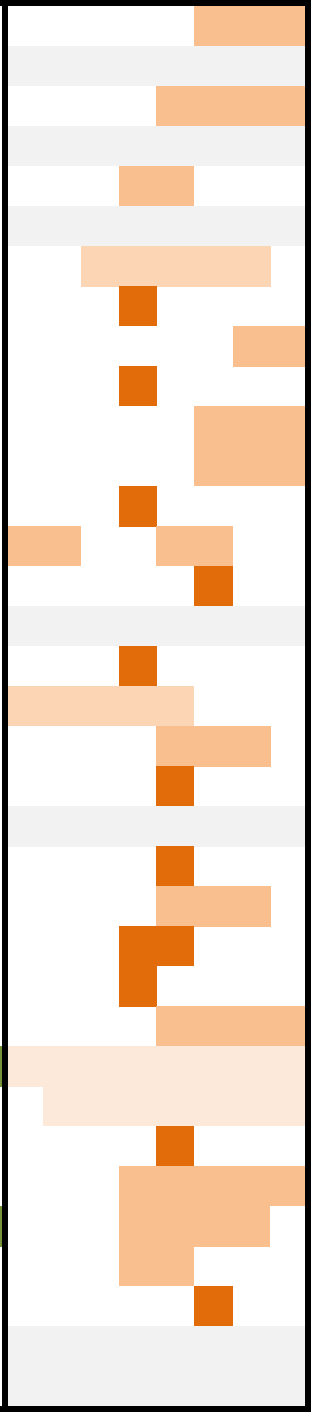


Table S4.2 (continued)

Site	Direction	Is this the direction faced by the *heiau*?	**Mean azimuth (*A*)**	Semi-width of az. range (Δ_A)
KIP-1025	S		177.2	2.1
KIP-1010 (W)	S		177.3	2.7
KIP-306	S		178.0	1.0
WF-AUW-403	S		178.0	2.1
WF-AUW-359	S		179.0	5.0
WF-AUW-574	S		179.0	3.0
WF-AUW-343	S		180.0	1.0
AUW-9	S		180.6	4.2
WF-AUW-493	S		180.6	2.0
LUA-39	S		181.0	1.0
KIP-414	S		182.0	3.0
KIP-1	S		182.8	0.5
MAH-231	S		183.0	1.0
LUA-1	S		186.0	4.0
WF-AUW-176A	S		188.1	1.7
NUU-101	S		189.0	1.0
KAU-995 (Kou)	S		189.7	0.6
KIP-188	S		190.5	12.5
NUU-79	SSW		191.6	2.1
NUU-100	SSW		192.0	3.0
AUW-11	SSW		197.0	1.0
WF-AUW-100	SSW		198.9	0.2
NUU-81	SSW		199.7	1.8
LUA-29	SSW		213.6	1.0
NAK-27	WSW		238.8	0.4
ALE-4	WSW		239.8	0.7
KIP-75	WSW		240.5	2.5
KIP-77	WSW		240.9	0.6
KIP-567	WSW		241.0	0.1
MAW-2	WSW		242.0	2.4
NAK-29	WSW		244.3	0.8
ALE-140	WSW	Yes	**244.5**	**1.3**
LUA-4	WSW		245.5	5.4
KAU-994 (Loʻaloʻa)	WSW		246.3	0.1
KIP-1156	WSW		247.0	0.3

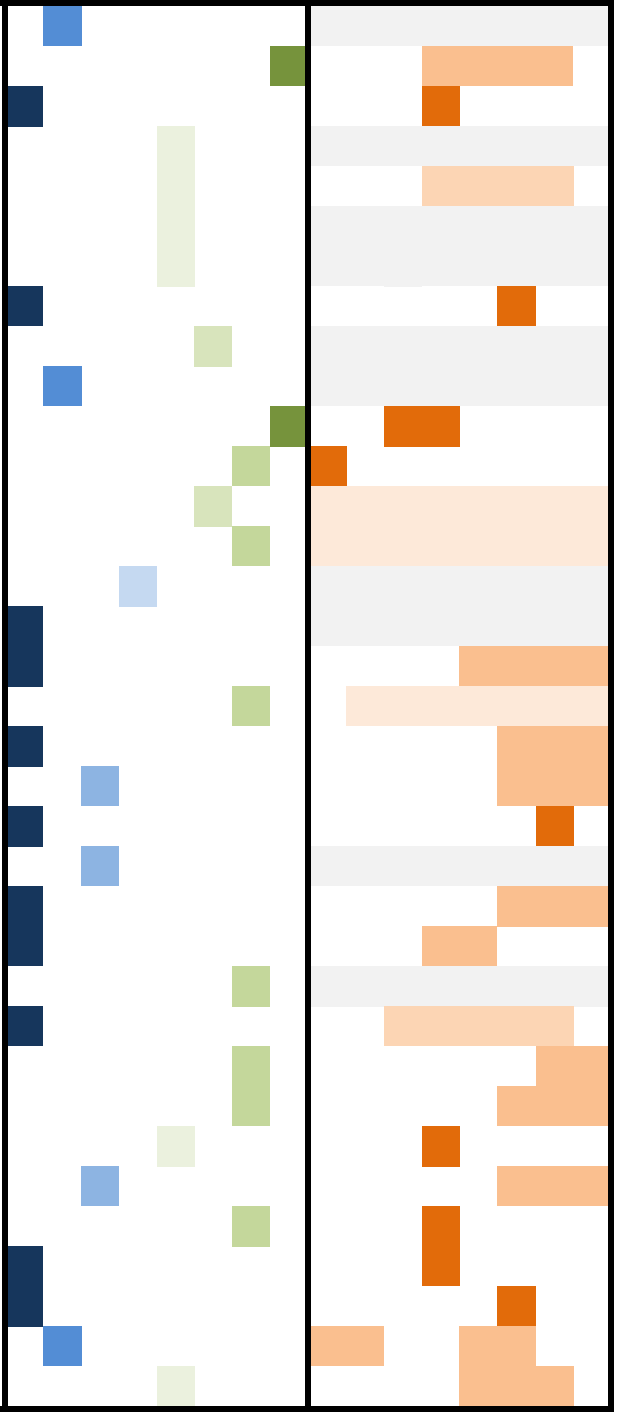
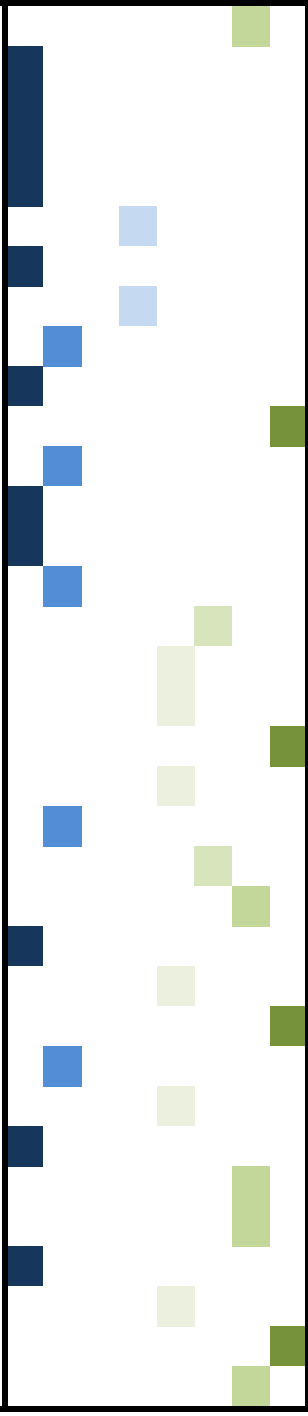


Table S4.2 (continued)

Site	Direction	Is this the direction faced by the *heiau*?	**Mean azimuth (*A*)**	Semi-width of az. range (Δ_A)
NAK-30	WSW		247.1	0.3
KIP-273B	WSW		250.4	2.0
KAU-324 (Pōpōʻiwi)	WSW		251.5	2.3
KIP-330	WSW		253.0	2.0
KIP-275	WSW		257.4	9.1
KIP-1151	WSW		258.7	2.4
ALE-121	W		259.0	5.0
NUU-175	W		259.7	2.2
LUA-3	W		260.9	5.3
LUA-36	W		261.0	1.0
NAK-34	W		261.0	1.0
KIP-366	W		262.0	2.0
KIP-307	W		262.1	2.3
KIP-273A	W		264.8	2.5
KIP-1025	W		265.0	3.6
MAH-231	W		265.0	1.5
WF-AUW-574	W		265.0	5.0
WF-AUW-338	W		265.5	4.5
KIP-1010 (E)	W		265.9	1.0
WF-AUW-391	W		266.0	4.0
ALE-1	W		266.2	5.9
WF-AUW-493	W		267.0	4.0
KIP-1	W		267.3	0.6
KIP-306	W		268.0	1.0
WF-AUW-343	W		270.0	3.0
KIP-1010 (W)	W		270.7	3.5
LUA-39	W		271.0	1.0
WF-AUW-359	W		272.0	5.0
AUW-9	W		272.5	6.5
KIP-188	W		274.0	5.0
KIP-405	W		274.0	4.0
NUU-101	W		274.0	2.0
WF-AUW-403	W		274.7	0.4
KIP-414	W		275.0	2.0
LUA-1	W		277.0	4.0



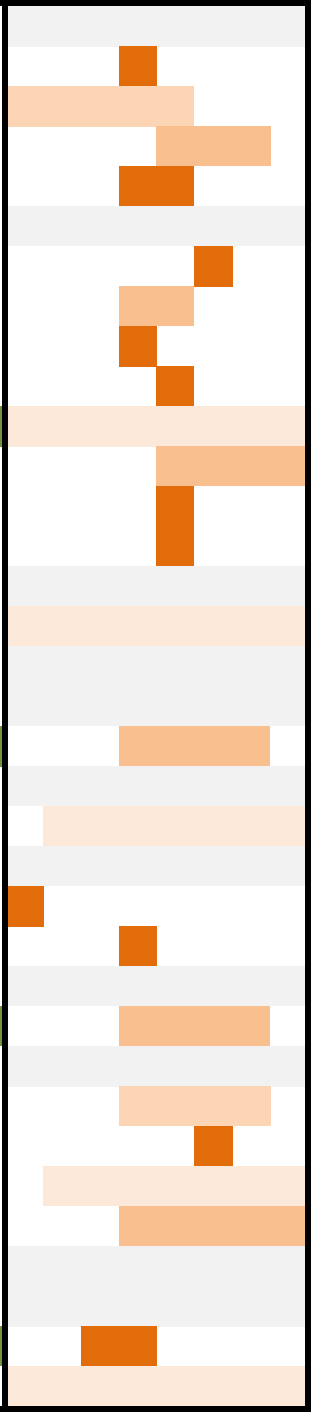


Table S4.2 (continued)

Site	Direction	Is this the direction faced by the *heiau*?	**Mean azimuth (*A*)**	Semi-width of az. range (*Δ*)
NUU-79	W		277.8	2.5
NUU-100	W	Yes	**278.1**	**0.3**
AUW-11	W		281.0	7.0
NUU-81	WNW	Yes	**286.3**	**1.2**
WF-AUW-100	WNW		286.8	3.5
KAU-995 (Kou)	WNW		287.8	1.3
WF-AUW-176A	WNW		290.9	2.1
LUA-29	WNW		300.4	0.6
NAK-27	NW		323.4	4.0
ALE-4	NNW	Yes	**327.5**	**0.4**
NAK-29	NNW		329.6	3.8
KIP-75	NNW		329.8	0.5
ALE-140	NNW		330.4	3.1
KIP-77	NNW		330.4	2.9
MAW-2	NNW		330.5	2.5
KIP-567	NNW		331.4	0.3
KAU-994 (Loʻaloʻa)	NNW		333.9	0.2
LUA-4	NNW	Yes	**335.5**	**2.4**
NAK-30	NNW		337.2	0.3
KIP-273B	NNW		339.0	1.8
KAU-324 (Pōpōʻiwi)	NNW	Yes	**341.9**	**2.6**
KIP-330	NNW		344.0	2.0
KIP-307	NNW	Yes	**344.8**	**1.0**
KIP-1151	NNW		345.7	1.2
LUA-36	NNW		346.0	1.0
KIP-1156	NNW		346.4	8.4
KIP-275	NNW		347.8	3.8
LUA-3	N	Yes	**350.0**	**2.1**
KIP-366	N		351.0	2.0
NAK-34	N	Yes	**351.0**	**1.0**
ALE-1	N	Yes	**351.9**	**0.5**
KIP-273A	N	Yes	**351.9**	**1.8**
KIP-405	N		352.0	8.0
KIP-1010 (E)	N	Yes	**353.4**	**2.4**
NUU-175	N		353.4	4.9

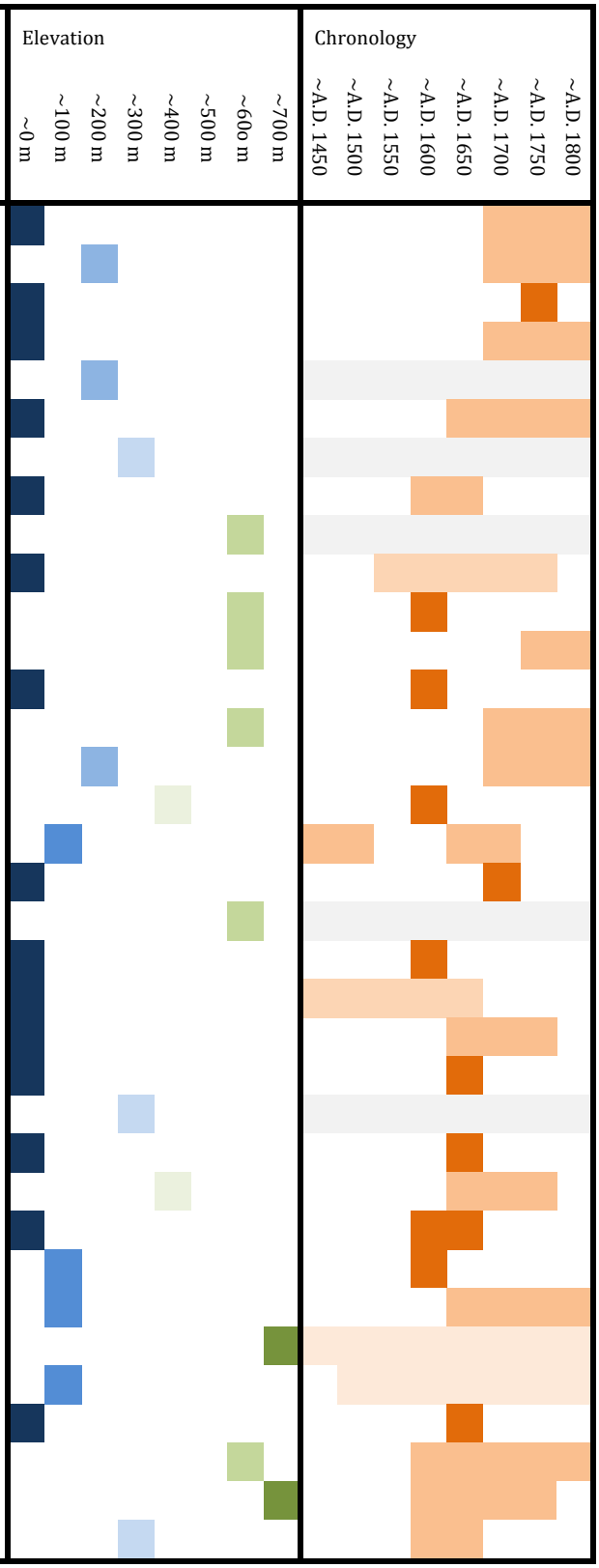


Table S4.2 (continued)

Site	Direction	Is this the direction faced by the *heiau*?	**Mean azimuth (*A*)**	Semi-width of az. range (Δ_A)	Elevation								Chronology							
					~0 m	~100 m	~200 m	~300 m	~400 m	~500 m	~60o m	~700 m	~A.D. 1450	~A.D. 1500	~A.D. 1550	~A.D. 1600	~A.D. 1650	~A.D. 1700	~A.D. 1750	~A.D. 1800
ALE-121	N	Yes	**355.0**	**5.0**																
WF-AUW-338	N	Yes	**355.0**	**0.5**																
WF-AUW-391	N		355.1	3.0																
KIP-1025	N		357.2	2.1																
KIP-1010 (W)	N	Yes	**357.3**	**2.7**																
KIP-306	N	Yes	**358.0**	**1.0**																
WF-AUW-403	N		358.0	2.1																
WF-AUW-359	N		359.0	5.0																
WF-AUW-574	N	Yes	**359.0**	**3.0**																