Summaries of Ceramic Analysis at

Motul de San José

By

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APPENDIX 1-Ceramic Summations by Ware

WARE: Uaxactun Unslipped					
		Frequency	*Weight (g)*	*Percent Frequency*[1]	*Percent Weight*
Uaxactun Unslipped:	Undetermined	524	3883.7	100.0	100.0
	Summation	*524*	*3883.7*	*0.5*	*0.2*
Achiote:	Achiote 00	111	641.8	8.3	7.4
	Achiotes Unslipped	926	5482.8	69.1	63.1
	Achiotes/Zapote	65	566.5	4.9	6.5
	Zapote Striated	238	1993.9	17.8	23.0
	Summation	*1340*	*8685.0*	*1.2*	*0.5*
Quintal:	Quintal 00	41	369.3	11.0	6.3
	Quintal Unslipped	145	2417.2	39.0	41.2
	Triunfo Striated	148	2082.2	39.8	35.5
	Quintal/Triunfo	38	995.3	10.2	17.0
	Summation	*372*	*5864.0*	*0.3*	*0.3*
Cambio:	Cambio 00	480	5826.0	1.1	0.7
	Cambio Unslipped	14844	195201.5	34.8	25.0
	Cambio Unslipped with Black Wash	1	8.4	0.0	0.0
	Cambio Unslipped with Red Wash	140	7416.4	0.3	0.9
	Cambio Unslipped with Red Wash Incised	1	418.0	0.0	0.1
	Cambio Unslipped: Roughened Surface	825	15570.7	1.9	2.0
	Cambio/Encanto	4962	171211.4	11.6	21.9
	Cambio/Encanto: Red Wash	57	5045.1	0.1	0.6
	Cambio/Encanto: Incised	2	89.2	0.0	0.0
	Encanto Striated	21222	377001.2	49.8	48.2
	Encanto Striated: Red Wash	24	1035.3	0.1	0.1
	Encanto with Impressions	16	1102.0	0.0	0.1
	Manteca Impressed	22	631.9	0.1	0.1
	Miseria Appliqué	6	217.8	0.0	0.0
	Pedregal Modeled	44	1013.8	0.1	0.1
	Summation	*42646*	*781788.8*	*38.6*	*43.9*

WARE: Rio Pasion Slipped					
		Frequency	*Weight (g)*	*Percent Frequency*	*Percent Weight*
Rio Pasion Slipped	Yalmanchac Impressed	1	5.7	100.0	100.0
	Summation	*1*	*5.7*	*0.0*	*0.0*

[1] Percentages are determined within ceramic group, except for the summations that are determined based on the entirety of ceramics from Motul de San Jose that is 110,499 sherds with a combined weight of 1,718,219.5 g.

WARE: Paso Caballo Waxy					
		Frequency	*Weight (g)*	*Percent Frequency*	*Percent Weight*
Paso Caballo Waxy	Undetermined	8	74.0	100.0	100.0
	Summation	8	74.0	0.0	0.0
Juventud	Juventud 00	74	385.2	21.0	11.3
	Juventud Fluted	1	27.4	0.3	0.8
	Juventud Red	217	2209.3	61.6	65.0
	Desvario Chamfered	16	275.3	4.5	8.1
	Guitara Incised	27	348.9	7.7	10.3
	Resaca Impressed	1	3.0	0.3	0.1
	Summation	*352*	*3397.2*	*0.3*	*0.2*
Pital	Pital 00	11	63.5	15.7	16.9
	Pital Chamfered	1	4.7	1.4	1.3
	Pital Cream	42	192.7	60.0	51.4
	Muxanal Red on Cream	11	84.8	15.7	22.6
	Pasa Danto Incised	5	29.0	7.1	7.7
	Summation	*70*	*374.7*	*0.1*	*0.0*
Chunhinta	Chunhinta 00	56	175.1	34.4	19.7
	Chunhinta Chamfered	10	133.3	6.1	15.0
	Chunhinta Black	92	552.4	56.4	62.1
	Deprecio Incised	5	28.7	3.1	3.2
	Summation	*163*	*889.5*	*0.1*	*0.0*
Tierra Mojada	Tierra Mojada 00	5	27.3	10.9	4.2
	Tierra Mojada Chamfered	1	22.7	2.2	3.5
	Tierra Mojada Resist	31	473.5	67.4	72.1
	Timax Incised	9	133.7	19.6	20.3
	Summation	*46*	*657.2*	*0.0*	*0.0*
Sierra	Sierra Red Slip, Punctated	1	3.7	0.1	0.2
	Sierra 00	327	1986.9	26.0	86.5
	Sierra Impressed	6	218.5	0.5	9.5
	Sierra Red	842	19609.9	66.9	853.3
	Repasto Black on Red	3	87.3	0.2	3.8
	Matamoro Red y Black	22	237.4	1.7	10.3
	Laguna Verde Incised: V. Groved	19	445.9	1.5	19.4
	Ahchab Red on Cream	31	315.2	2.5	13.7
	Alta Mira Fluted	7	83.4	0.6	3.6
	Summation	*1258*	*22988.2*	*1.1*	*1.3*
Flor	Flor 00	49	310.8	32.7	19.8
	Flor Acordeon Incised	5	52.7	3.3	3.4
	Flor Cream	79	1035.0	52.7	66.0
	Mateo Red on Cream	17	170.4	11.3	10.9
	Summation	*150*	*1568.9*	*0.1*	*0.1*
Polvero	Polvero 00	154	747.9	26.4	0.2
	Polvero Black	419	3024.7	71.9	0.8
	Polvero Black on Red	7	94.7	1.2	0.0
	Lechugal Incised	3	32.7	0.5	0.0

		Summation	*583*	*3899.9*	*0.5*	*0.2*
Iberia	Iberia 00		2	37.9	0.5	68.4
	Iberia Orange		2	17.5	0.5	31.6
		Summation	*4*	*55.4*	*0.0*	*0.0*
Preclassic Cream	Preclassic Cream		1	5.9	100.0	100.0
		Summation	*1*	*5.9*	*0.0*	*0.0*
Preclassic Black	Preclassic Black		27	145.1	96.4	94.8
	Undetermined		1	7.9	3.6	5.2
		Summation	*28*	*153.0*	*0.0*	*0.0*
Preclassic Red	Preclassic Red		76	372.5	97.4	97.8
	Undetermined		2	8.5	2.6	2.2
		Summation	*78*	*381.0*	*0.1*	*0.0*
Preclassic Unnamed	Undetermined		1	5.8	33.3	19.7
	Metapa Trichrome		2	23.7	66.7	80.3
		Summation	*3*	*29.5*	*0.0*	*0.0*

WARE: Mars Orange

		Frequency	*Weight (g)*	*Percent Frequency*	*Percent Weight*
Mars Orange	Undetermined	1	532.4	10.0	0.9
	Savana 00	4	13.0	40.0	0.0
	Savana Orange	3	43.6	30.0	0.1
	Savana Reforma Incised	2	15.4	20.0	0.0
	Summation	*10*	*604.4*	*0.0*	*0.0*

WARE: Mars Orange cf

		Frequency	*Weight (g)*	*Percent Frequency*	*Percent Weight*
Mars Orange cf	Undetermined	1	1.8	100.0	100.0
	Summation	*1*	*1.8*	*0.0*	*0.0*

WARE: Playa Dull

		Freqency	*Weight (g)*	*Percent Freqency*	*Percent Weight*
Playa Dull	Undetermined	5	33.2	100.0	100.0
	Summation	*5*	*33.2*	*0.0*	*0.0*

WARE: Peten Glossy					
		Freqency	*Weight (g)*	*Percent Freqency*	*Percent Weight*
Peten Glossy	Undetermined	4	75.5	1.6	5.5
Aguila	Aguila 00	113	937.7	46.5	67.8
	Aguila Incised	7	236.7	2.9	17.1
	Aguila Orange	118	1382.6	48.6	100.0
	Aguila: Plano-relief	1	6.2	0.4	0.4
	Summation	*243*	*2638.7*	*0.2*	*0.1*
Caribal	Caribal 00	12	258.2	1655.2	35.9
	Caribal Red	16	460.2	51186.2	64.0
	Mahogany Creek Incised	1	1.0	3.4	0.1
	Summation	*29*	*719.4*	*0.0*	*0.0*
Balanza	Balanza 00	35	512.8	35.4	37.9
	Balanza Black	54	697.0	54.5	51.5
	Lucha Incised	1	16.1	1.0	1.2
	Delirio Plano-relief	7	112.9	7.1	8.3
	Urita Gouged-Incised	2	13.6	2.0	1.0
	Summation	*99*	*1352.4*	*0.1*	*0.1*
Pucté	Pucté Brown	1	6.8	100.0	100.0
	Summation	*1*	*6.8*	*0.0*	*0.0*
Actuncan-Dos Arroyos	Actuncan-Dos Arroyos Polychrome	147	2623.6	100.0	100.0
	Summation	*147*	*2623.6*	*0.1*	*0.1*
Infierno	Infierno 00	154	946.9	36.3	22.0
	Infierno Gouged-Incised	1	4.4	0.2	0.1
	Infierno Incised-Fluted	2	15.0	0.5	0.3
	Infierno Incised-Punctated	8	131.2	1.9	3.0
	Infierno Modeled-carved	1	1.4	0.2	0.0
	Infierno Black	176	2143.5	41.5	49.8
	Infierno Punctated	2	7.1	0.5	0.2
	Infierno Groved	4	16.6	0.9	0.4
	Infierno Carved-Incised	1	3.3	0.2	0.1
	Carmelita Incised	64	985.3	15.1	22.9
	Carmelita Incised: Groved-Incised	2	13.3	0.5	0.3
	Chilar Fluted	9	38.1	2.1	0.9
	Summation	*424*	*4306.1*	*0.4*	*0.2*
Saxche-Palmar	Undetermined	19	299.2	0.2	0.2
	Polychrome Eroded	7976	126257.7	91.2	70.5
	Compuesto	81	1175.7	0.9	0.7
	Bichrome: Red on Orange	4	23.5	0.0	0.0
	Black on Orange	7	1336.3	0.1	0.7
	Black on Red	3	512.1	0.0	0.3
	Black on Cream negative/resist	2	165.2	0.0	0.1
	Red on Cream	2	18.3	0.0	0.0
	Palmar Orange Polychrome	394	31188.4	4.5	17.4
	Zacatal Cream Polychrome	204	17263.5	2.3	9.6

_	Paixban Buff Polychrome	31	421.6	0.4	0.2
_	Chinos Black on Cream	17	535.2	0.2	0.3
_	Saxche Orange Polychrome	1	11.5	0.0	0.0
_	**Summation**	*8741*	*179208.2*	*7.9*	*10.1*
Tinaja	Tinaja 00	552	5885.1	3.6	1.6
_	Tinaja Red	282	15492.8	1.9	4.1
_	Tinaja/Pantano	7720	127575.4	50.9	33.7
_	Pantano Impressed	371	16090.9	2.4	4.2
_	Pantano: V. Stamped	2	325.2	0.0	0.1
_	Tinaja Red Slip Incised-Punctated	6	103.2	0.0	0.0
_	Tinaja Red Slip Modeled carved	1	3.0	0.0	0.0
_	Tinaja Red Slip y Fluted	57	562.1	0.4	0.1
_	Tinaja Red Slip y Groved	13	90.3	0.1	0.0
_	Tinaja Red Slip y Gouged-Incised	13	241.8	0.1	0.1
_	Subin Red	734	45468.3	4.8	12.0
_	Subin/Chaquiste	4701	108701.9	31.0	28.7
_	Chaquiste Impressed	416	38827.5	2.7	10.2
_	Chaquiste: V. Stamped	50	7171.2	0.3	1.9
_	Corozal Incised	103	2048.0	0.7	0.5
_	Corozal Incised: Fluted	15	614.9	0.1	0.2
_	Camaron Incised	125	8778.7	0.8	2.3
_	Chinja Impressed	11	965.2	0.1	0.3
_	**Summation**	*15172*	*378945.5*	*13.7*	*21.3*
Achote	Achote 00	29	262.7	78.4	65.4
_	Achote Black	6	101.9	16.2	25.4
_	Cubeta Incised	1	31.8	2.7	7.9
_	Torro Gouged-Incised	1	5.0	2.7	1.2
_	**Summation**	*37*	*401.4*	*0.0*	*0.0*
Unnamed	Zopilote Smudged Black	3	335.1	100	100
_	**Summation**	*3*	*335.1*	*0.0*	*0.0*
Azote	Azote 00	207	1817.8	40.5	25.0
_	Azote Orange	244	4150.2	47.8	57.1
_	Azote Groved	14	449.3	2.7	6.2
_	Torres Incised	29	461.6	5.7	6.4
_	Salada Fluted	12	290.5	2.4	4.0
_	Retiro Gouged-Incised	3	12.4	0.6	0.2
_	Pasos Impressed	2	85.8	0.4	1.2
_	**Summation**	*511*	*7267.6*	*0.5*	*0.4*
Tialipa	Tialipa 00	134	1991.2	20.6	18.9
_	Tialipa Brown	501	8107.7	0.2	77.1
_	Tialipa Incised-Impressed	1	3.2	0.2	0.0
_	Tialipa Incised-Punctated	1	10.2	0.2	0.1
_	Canoa Incised	13	392.3	2.0	3.7
_	Calabaso Gouged-Incised	1	6.8	0.2	0.1
_	**Summation**	*651*	*10511.4*	*0.6*	*0.6*

WARE: Fine Orange					
		Frequency	*Weight (g)*	*Percent Frequency*	*Percent Weight*
Fine Orange	Fine Orange 00	3	24.3	100.0	100.0
	Summation	*3*	*24.3*	*0.0*	*0.0*
Altar	Islas Gouged-Incised	1	10.6	7.1	3.2
	Pabellon Modeled-carved	4	143.6	28.6	43.8
	Trapiche Incised	1	101.1	7.1	30.8
	Tumba Black on Orange	2	24.3	14.3	7.4
	Summation	*14*	*328.2*	*0.0*	*0.0*

WARE: Fine Orange cf					
		Frequency	*Weight (g)*	*Percent Frequency*	*Percent Weight*
Fine Orange cf	Fine Orange cf 00	87	310.4	92.6	92.9
	Orange-Brown	7	23.7	7.4	7.1
	Summation	*94*	*334.1*	*0.1*	*0.0*

WARE: Plumbate					
		Frequency	*Weight (g)*	*Percent Frequency*	*Percent Weight*
Plomizo	Plomizo 00	1	14.7	100.0	100.0
	Summation	*1*	*14.7*	*0.0*	*0.0*

WARE: Fine Gray					
		Frequency	*Weight (g)*	*Percent Frequency*	*Percent Weight*
Fine Gray	Fine Gray 00	24	107.7	100.0	100.0
	Summation	*24*	*107.7*	*0.0*	*0.0*
Tres Naciones	Poite Incised	5	11.6	100.0	100.0
	Summation	*5*	*11.6*	*0.0*	*0.0*
Chablekal	Chablekal Gray	12	72.2	41.4	35.0
	Chicxulub Incised	15	105.2	51.7	51.0
	Telchac Composite	2	29.0	6.9	14.1
	Summation	*29*	*206.4*	*0.0*	*0.0*

WARE: Late Classic Unnamed

		Frequency	*Weight (g)*	*Percent Frequency*	*Percent Weight*
Late Classic Unnamed	Late Classic Unnamed 00	16	299.2	100.0	100.0
	Summation	*16*	*299.2*	*0.0*	*0.0*
Late Classic with White Slip	Late Classic with White Slip 00	9	74.5	2.5	2.2
	White Slip	313	2705.1	86.0	78.2
	White Slip Fluted	1	25.1	0.3	0.7
	White Slip and Incised	7	37.4	1.9	1.1
	Punctated-Incised	2	17.0	0.5	0.5
	Summation	*364*	*3457.4*	*0.3*	*0.2*
Late Classic Stuccoed	Stuccoed	4	33.6	80.0	83.4
	Pink Stucco	1	6.7	20.0	16.6
	Summation	*5*	*40.3*	*0.0*	*0.0*

WARE: Fine Brown

		Frequency	*Weight (g)*	*Percent Frequency*	*Percent Weight*
Fine Brown Unnamed	Fine Brown Unnamed 00	2	5.2	100.0	100.0
	Summation	*2*	*5.2*	*0.0*	*0.0*

WARE: Monticulo Unslipped

		Frequency	*Weight (g)*	*Percent Frequency*	*Percent Weight*
Monticulo Unslipped	Monticulo Unslipped	25	199.6	100.0	100.0
	Summation	*25*	*199.6*	*0.0*	*0.0*
Pozo	Pozo 00	127	790.1	19.9	9.5
	Pozo Unslipped	511	7556.6	80.1	90.5
	Summation	*638*	*8346.7*	*0.6*	*0.5*

WARE: Uapake Unslipped

		Frequency	*Weight (g)*	*Percent Frequency*	*Percent Weight*
Uapake Unslipped	Uapake Unslipped	9	78.7	100.0	100.0
	Summation	*9*	*78.7*	*0.0*	*0.0*
Chilo	Chilo 00	132	2131.3	84.6	56.5

	Chilo Unslipped	24	1640.5	15.4	43.5
	Summation	*156*	*3771.8*	*0.1*	*0.2*

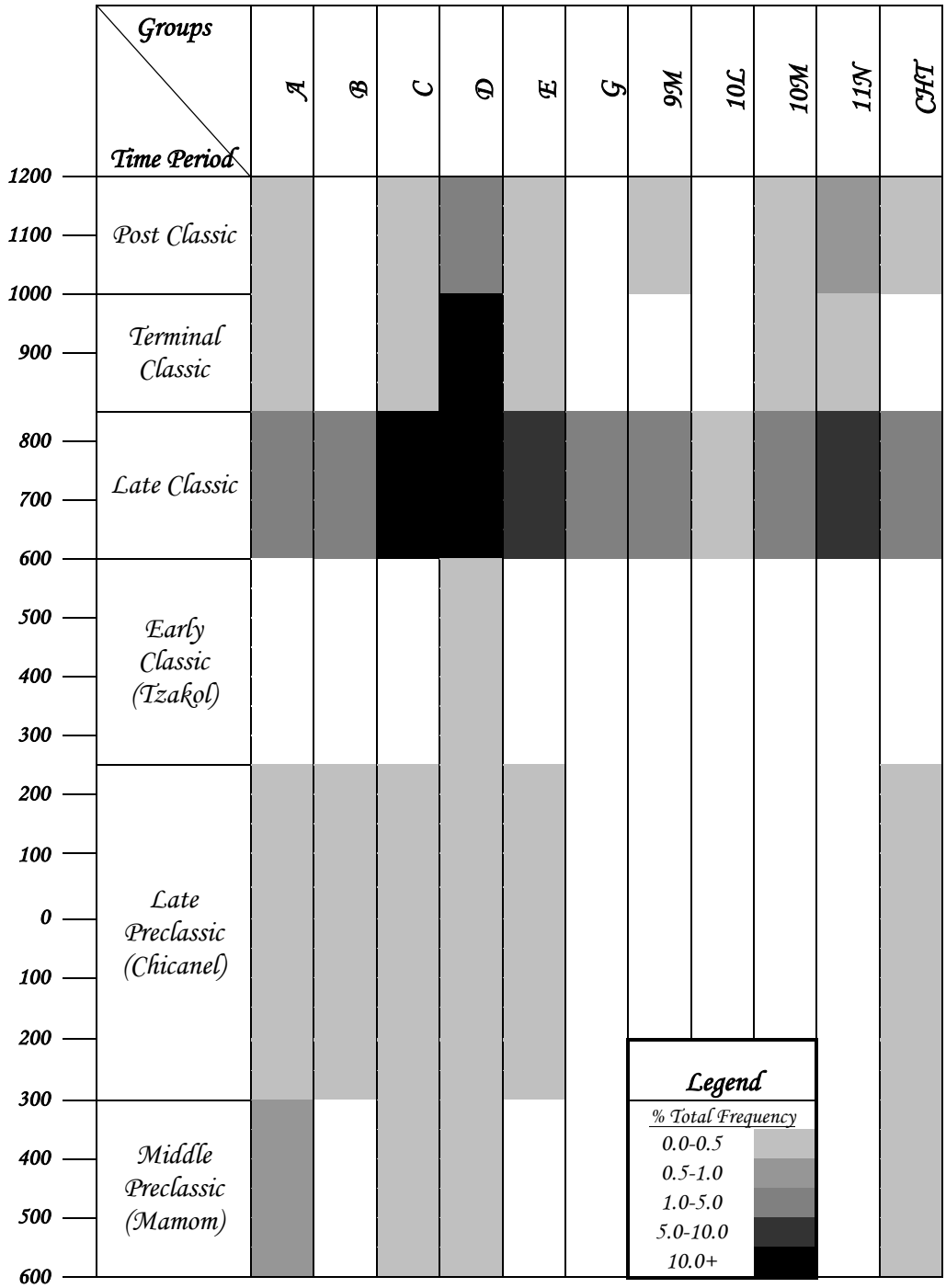
WARE: Uapake Unslipped					
		Frequency	*Weight (g)*	*Percent Frequency*	*Percent Weight*
Volador Slip Without Gloss	Volador Slip Without Gloss 00	14	146.0	100.0	100.0
	Summation	*14*	*146.0*	*0.0*	*0.0*
Paxcaman	Paxcaman 00	54	1094.8	23.7	21.7
	Paxcaman Impressed	1	128.6	0.4	2.5
	Paxcaman Incised	3	214.1	1.3	4.2
	Paxcaman Polychrome Eroded	3	30.0	1.3	0.6
	Paxcaman Red	167	3578.5	73.2	70.9
	Summation	*228*	*5046.0*	*0.2*	*0.3*
Topoxte	Topoxte Red	1	80.5	25.0	51.9
Trapeche	Trapeche 00	2	27.4	50.0	17.7
	Trapeche Pink Stucco	1	47.2	25.0	30.4
	Summation	*4*	*155.1*	*0.0*	*0.0*

WARE: Eroded/Undetermined[2]					
		Frequency	*Weight (g)*	*Percent Frequency*	*Percent Weight*
Eroded/ Undet.	Undetermined	32856	279146.0	100.0	100.0
	Summation	*32856*	*279146.0*	*29.7*	*15.7*
Pre-Mamon	Pre-Mamon Eroded	1	19.9	100.0	100.0
	Summation	*1*	*19.9*	*0.0*	*0.0*
Late Preclassic Eroded	Eroded	25	315.0	10.2	13.1
	Simple	211	1982.0	86.5	82.5
	Appliqué	2	13.8	0.8	0.6
	Incised	6	91.7	2.5	3.8
	Summation	*244*	*2402.5*	*0.2*	*0.1*
Early Classic Eroded	Eroded	36	833.5	100.0	100.0
	Summation	*36*	*833.5*	*0.0*	*0.0*
Late Classic Eroded	Eroded	1785	50195.1	86.9	95.5
	Fluted	21	156.6	1.0	0.3
	Carved/Gouged-Incised	8	65.5	0.4	0.1
	Carved/Incised	1	2.2	0.0	0.0

[2] Eroded is determined by paste while simple is determined by form.

_	Specular Hematite Incised	1	5.3	0.0	0.0
_	Impressed	23	321.9	1.1	0.6
_	Incised	190	1492.3	9.3	2.8
_	Incised and Fluted	3	61.8	0.1	0.1
_	Incised-Grooved	5	64.4	0.2	0.1
_	Modeled-carved	3	18.8	0.1	0.0
_	Punctated	9	142.8	0.4	0.3
_	Punctated and Incised	3	18.8	0.1	0.0
_	Grooved	2	13.0	0.1	0.0
_	**Summation**	*2054*	*52558.5*	*1.9*	*3.0*
Terminal Classic					
Eroded	Eroded	2	14.7	66.7	51.6
_	Incised	1	13.8	33.3	48.4
_	**Summation**	*3*	*28.5*	*0.0*	*0.0*
Post Classic					
Eroded	Eroded	23	663.7	85.2	83.4
_	Simple	4	131.8	14.8	16.6
_	**Summation**	*27*	*795.5*	*0.0*	*0.0*

APPENDIX 2-Phases of Motul de San José[3]



Group Designations

A= Ops. 8, 9, 10, 13, 16, 27
B= 7, 11, 12, 14
C= 1, 2, 3, 4, 5, 6, 18, 19, 32, 33, 46
D= 15, 17
E= 20, 21, 22, 29, 30
G= 31, 35
9M= 23, 24, 25
10M= 39
11N= 42
CHT=Chäkokot

[3] Note: Phases based on identifiable ceramic assemblages (ie. Undetermined or mixed were removed from analysis)

Group	Phase	Frequency of Sherds	% Total Sherd Frequency
A	Middle Preclassic	591	0.56
A	Late Preclassic	6	0.01
A	Early Classic	4	0
A	Late Classic	5246	4.93
A	Terminal Classic	10	0.01
A	Postclassic	318	0.3
B	Late Preclassic	9	0.01
B	Late Classic	2987	2.81
C	Middle Preclassic	155	0.15
C	Late Preclassic	163	0.15
C	Early Classic	1	0
C	Late Classic	44294	41.66
C	Terminal Classic	69	0.06
C	Postclassic	65	0.06
D	Middle Preclassic	206	0.19
D	Late Preclassic	220	0.21
D	Late Preclassic with Protoclassic-Early Classic	192	0.18
D	Early Classic	124	0.12
D	Late Classic	8882	8.35
D	Late Classic-Terminal Classic	2839	2.67
D	Late Classic-Postclassic	844	0.79
D	Terminal Classic	7814	7.35
D	Terminal Classic, Postclassic	782	0.74
D	Postclassic	1558	1.47
E	Late Preclassic	270	0.25
E	Late Preclassic with Protoclassic	3	0
E	Late Classic	5726	5.38
E	Late Classic-Terminal Classic	1184	1.11
E	Terminal Classic	44	0.04
E	Terminal Classic, Postclassic	308	0.29
G	Late Classic	4722	4.44
9M	Late Classic	1472	1.38
9M	Postclassic	13	0.01
10L	Late Classic	499	0.47
10M	Late Classic	4070	3.83
10M	Late Classic-Post Classic	49	0.05
10M	Terminal Classic	170	0.16
10M	Postclassic	159	0.15
11N	Late Classic	5706	5.37
11N	Late Classic-Postclassic	23	0.02
11N	Late Classic, Postclassic	610	0.57
11N	Terminal Classic	53	0.05
11N	Postclassic	1655	1.56
CHT	Middle Preclassic	55	0.05
CHT	Late Preclassic	846	0.8
CHT	Late Classic	1301	1.22
CHT	Postclassic	17	0.02

APPENDIX 3-Polychrome Distributions[4]

ALL SHERDS FROM MOTUL de SAN JOSÉ[5]

Op.	*Sub-Op*	*Frequency (Non-polychrome*[6]*)*	*Frequency (Polychrome)*	*Frequency (Undetermined)*	*% Total Frequency (Non-polychrome)*	*% Total Frequency (Polychrome)*	*% Total Frequency (Undetermined)*
1	A	384	76	3	0.55	0.11	0
2	A	20579	3595	437	29.15	5.09	0.62
2	B	723	138	3	1.02	0.19	0
3	A	126	23	.	0.18	0.03	.
4	A	48	15	1	0.06	0.02	0
5	A	6	.	.	0.01	.	.
6	A	8	.	1	0.01	.	0
7	A	84	10	8	0.12	0.01	0.01
7	B	48	7	1	0.07	0.01	0
8	A	62	.	1	0.09	.	0
8	B	401	64	2	0.56	0.09	0
8	C	40	.	3	0.06	.	0
8	D	150	16	2	0.21	0.03	0
8	E	36	3	.	0.05	0	.
8	F	48	6	.	0.07	0.01	.
8	G	76	4	.	0.1	0.01	.
9	A	56	13	.	0.08	0.02	.
9	B	86	.	1	0.12	.	0
9	C	17	3	.	0.03	0	.
9	D	55	1	1	0.08	0	0
10	A	217	14	.	0.31	0.02	.
10	B	42	1	1	0.06	0	0
10	C	53	1	1	0.07	0	0
10	D	472	74	1	0.67	0.1	0
11	A	8	4	.	0.01	0.01	.
12	A	55	1	1	0.08	0	0
12	B	325	6	.	0.46	0.01	.
12	C	254	4	1	0.36	0	0
12	D	354	17	3	0.5	0.03	0
13	A	363	52	5	0.51	0.07	0
13	B	17	1	.	0.03	0	.
13	C	15	2	.	0.02	0	.
13	D	6	.	1	0.01	.	0
14	A	110	13	.	0.15	0.02	.
14	B	25	.	.	0.04	.	.
14	C	144	13	.	0.2	0.02	.
15	A	8410	938	27	11.92	1.33	0.03
15	B	414	151	3	0.59	0.21	0

[4] Only Late Classic sherds were looked at in this analysis.

[5] Undetermined sherds were sherds unidentifiable as either polychromes or nonpolychromes. % totals are based on a total of 70,595 Late Classic sherds.

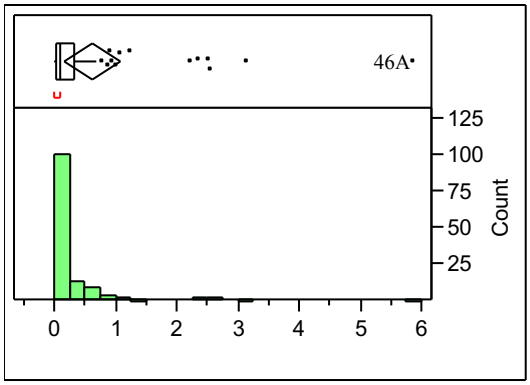
[6] Nonpolychromes are identifiable sherds that are not polychromes. These have been separated out from unidentifiable sherds which, while included in this table, will not be discussed further.

15	C	75	1	3	0.1	0	0
15	D	93	10	2	0.13	0.01	0
15	E	88	3	4	0.12	0	0.01
15	F	351	224	.	0.5	0.32	.
16	A	25	.	1	0.04	.	0
16	B	42	2	.	0.06	0	.
17	A	20	.	.	0.03	.	.
17	B	632	85	2	0.89	0.12	0
17	C	117	9	3	0.17	0.01	0
17	D	1800	157	11	2.55	0.22	0.01
18	A	48	.	12	0.07	.	0.02
18	B	103	3	3	0.15	0	0
19	A	144	2	4	0.2	0	0
19	B	255	4	2	0.36	0	0
19	C	7	.	.	0.01	.	.
20	A	14	.	1	0.02	.	0
20	B	112	.	5	0.16	.	0.01
20	C	9	.	1	0.01	.	0
20	D	36	1	2	0.05	0	0
20	E	18	.	.	0.02	.	.
20	F	687	68	14	0.97	0.1	0.02
21	A	1	.	.	0	.	.
22	A	42	.	.	0.06	.	.
22	B	39	.	1	0.06	.	0
23	A	56	.	.	0.08	.	.
23	B	11	2	1	0.02	0	0
23	C	22	.	1	0.03	.	0
23	D	33	.	1	0.04	.	0
23	E	333	54	2	0.47	0.08	0
24	A	30	.	.	0.05	.	.
24	B	13	.	.	0.02	.	.
25	A	11	1	.	0.02	0	.
25	B	1	.	.	0	.	.
26	A	36	.	.	0.06	.	.
26	B	3	.	.	0	.	.
26	C	43	2	2	0.06	0	0
26	D	94	.	2	0.13	.	0
27	A	13	.	.	0.02	.	.
27	B	27	1	.	0.04	0	.
27	C	10	.	.	0.01	.	.
28	A	32	.	.	0.04	.	.
29	A	17	1	.	0.02	0	.
29	B	89	7	3	0.12	0.01	0
29	C	273	17	1	0.38	0.02	0
29	D	174	7	.	0.25	0.01	.
29	E	173	13	2	0.24	0.02	0
29	F	42	8	.	0.06	0.01	.
29	G	662	73	2	0.94	0.1	0
30	A	883	91	2	1.25	0.13	0
30	B	26	5	.	0.03	0.01	.

30	C	38	.	.	0.05	.	.
30	D	124	27	1	0.17	0.04	0
31	A	1591	308	10	2.25	0.44	0.01
32	A	142	20	.	0.2	0.03	.
32	B	346	7	1	0.49	0.01	0
32	C	16	1	.	0.02	0	.
32	D	49	2	1	0.07	0	0
33	A	62	1	.	0.09	0	.
33	B	1663	174	3	2.36	0.25	0
33	C	234	4	.	0.33	0	.
33	D	143	8	.	0.21	0.01	.
34	A	219	9	2	0.31	0.01	0
34	B	73	.	1	0.1	.	0
35	A	141	11	.	0.2	0.01	.
35	B	36	1	.	0.05	0	.
35	C	27	3	.	0.04	0	.
35	D	142	1	.	0.2	0	.
35	E	77	3	.	0.11	0	.
35	F	92	2	.	0.13	0	.
35	G	37	2	1	0.05	0	0
35	H	383	92	.	0.55	0.13	.
35	I	77	5	.	0.11	0.01	.
39	A	168	4	12	0.23	0.01	0.01
39	C	103	8	14	0.15	0.01	0.02
39	E	39	1	18	0.06	0	0.02
39	F	102	12	5	0.14	0.01	0
39	G	2242	431	474	3.17	0.61	0.67
39	H	71	10	42	0.1	0.01	0.06
42	A	58	1	2	0.08	0	0
42	B	571	6	89	0.81	0.01	0.12
42	C	251	17	2	0.35	0.02	0
42	D	1821	294	2	2.58	0.42	0
42	E	408	27	5	0.58	0.04	0.01
42	F	50	7	1	0.07	0.01	0
42	G	310	14	40	0.44	0.02	0.06
42	H	776	52	80	1.1	0.08	0.11
44	A	51	3	.	0.07	0	.
44	B	54	.	.	0.08	.	.
44	C	118	27	1	0.17	0.04	0
44	D	24	7	.	0.03	0.01	.
44	E	8	1	.	0.01	0	.
44	H	42	5	1	0.06	0.01	0
44	I	136	16	.	0.19	0.02	.
44	J	26	1	.	0.03	0	.
44	K	15	4	.	0.02	0	.
44	L	99	1	.	0.14	0	.
44	M	13	1	.	0.02	0	.
44	N	2	.	.	0	.	.
46	A	4143	951	475	5.87	1.35	0.67
46	B	203	42	175	0.29	0.06	0.25

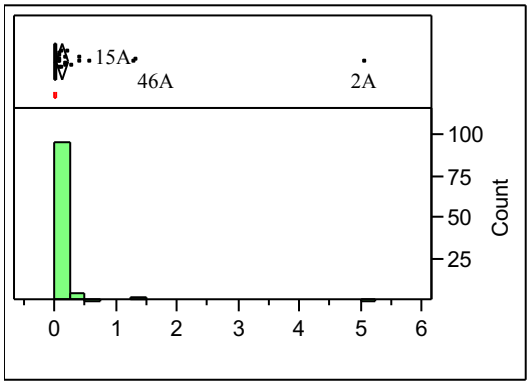
Distributions[7]: % of Total Frequency

Nonpolychrome:



Quantiles			Moments	
100.0%	maximum	29.150	Mean	0.6134058
99.5%		29.150	Std Dev	2.7298591
97.5%		4.588	Std Err Mean	0.232381
90.0%		0.895	upper 95% Mean	1.0729233
75.0%	quartile	0.310	lower 95% Mean	0.1538883
50.0%	median	0.100	N	138
25.0%	quartile	0.040		
10.0%		0.020		
2.5%		0.000		
0.5%		0.000		
0.0%	minimum	0.000		

Polychrome:



Quantiles			Moments	
100.0%	maximum	5.0900	Mean	0.1181731
99.5%		5.0900	Std Dev	0.5326008
97.5%		1.3375	Std Err Mean	0.0522258
90.0%		0.2000	upper 95% Mean	0.2217506
75.0%	quartile	0.0375	lower 95% Mean	0.0145955
50.0%	median	0.0100	N	104
25.0%	quartile	0.0000		
10.0%		0.0000		
2.5%		0.0000		
0.5%		0.0000		
0.0%	minimum	0.0000		

Note: There are several studies which have shown that considering rim sherds only is a better estimate of the total number of original vessels. However, within the Late Classic assemblage, rims only account for less than 10%. As such, we have chosen to present both sets of data, all sherds and then rims only. There are several operations and suboperations that had no polychromes whatsoever (a number which is increased in our subsequent analysis of rims only). These are: 5A, 6A, 8A, 8C, 9C, 13D, 14B, 16A, 17A, 18A, 19C, 20A, 20B, 20C, 20E, 21A, 22A, 22B, 23A, 23C, 23D, 24A, 24B, 25B, 26A, 26B, 26D, 27A, 27C, 28A, 30C, 34B, 44B, and 44N. Of those with polychromes, 2A, 15A, and 46A yield the highest percent frequency with at least over 1% of total sherds (5.09%, 1.33%, and 1.35% respectively). It is important to note that these three operations and suboperations also hold the highest percent of nonpolychromes for Motul de San José (29.15%, 11.92%, and 5.87% respectively). In other words, these were the

[7] On top of the typical histograph bar graphs, these distributional graphs also include quantile box plots, whose middle line is the median and outer two lines are the 25% and 75% quartiles. The diamond shows the shape of distribution, with the middle of the diamond being the mean and the outer points showing upper 95% and lower 95% confidence limits for the mean (meaning it is 95% certain that the true mean would fall within these bounds).

largest excavated in volume. Additionally, 2A and 15A are the same operations which are ranked as highest elite according to the volumetric and locational analyses.

The above two graphs present both the nonpolychromes and polychromes in a parallel comparison in order to show that the high yields of polychromes are concentrated in a limited number of operations and suboperations while the high yields of nonpolychromes are more spread out. This can also be seen by the higher frequency of outliers outside the 95% confidence interval of the mean, which will also be the case in our subsequent analysis of only rim sherds. This distinction in the distribution of non-polychrome frequencies and of polychrome frequencies suggests that the high incidence of polychromes in operations 2A, 15A and 46A is not related to the higher volume of excavations in these groups, but rather to the higher elite status of their inhabitants. Furthermore, the tight clustering of polychrome frequencies (except operation 2A which is exceptional because of the rich midden found in units 3 and 5) may be indicate a tight control by elite over the distribution of polychromes at Motul.

RIM SHERDS ONLY[8]

Op.	*Sub-Op*	*Frequency (Non-polychrome)*	*Frequency (Polychrome)*	*Frequency (Undetermined)*	*% Total Frequency (Non-polychrome)*	*% Total Frequency (Polychrome)*	*% Total Frequency (Undetermined)*
1	A	27	23	2	0.4	0.34	0.03
2	A	1201	1095	24	17.62	16.06	0.35
2	B	70	60	1	1.03	0.88	0.01
3	A	6	8	.	0.09	0.12	.
4	A	3	9	.	0.04	0.13	.
6	A	1	.	.	0.01	.	.
7	A	21	2	1	0.31	0.03	0.01
7	B	7	1	1	0.1	0.01	0.01
8	A	14	.	1	0.21	.	0.01
8	B	24	13	1	0.35	0.19	0.01
8	C	6	.	.	0.09	.	.
8	D	16	4	.	0.23	0.06	.
8	E	6	.	.	0.09	.	.
8	F	4	1	.	0.06	0.01	.
8	G	9	.	.	0.13	.	.
9	A	5	4	.	0.07	0.06	.
9	B	23	.	.	0.34	.	.
9	C	4	.	.	0.06	.	.
9	D	5	.	.	0.07	.	.
10	A	14	5	.	0.21	0.07	.
10	B	2	1	.	0.03	0.01	.
10	C	9	.	.	0.13	.	.
10	D	29	17	.	0.43	0.25	.
11	A	1	.	.	0.01	.	.
12	A	4	.	1	0.06	.	0.01
12	B	27	.	.	0.4	.	.
12	C	14	2	.	0.21	0.03	.

[8] % totals are based on a total of 6,817 Late Classic rim sherds.

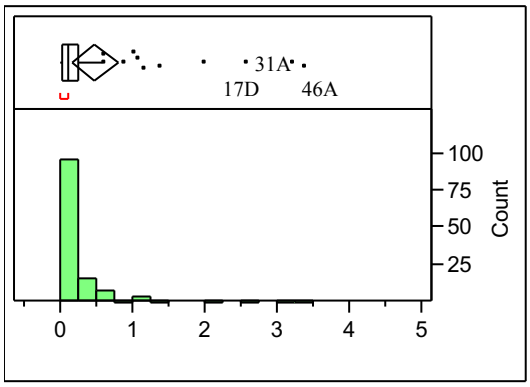
12	D	19	4	1	0.28	0.06	0.01
13	A	38	17	3	0.56	0.25	0.04
13	B	5	.	.	0.07	.	.
13	C	2	.	.	0.03	.	.
14	A	3	4	.	0.04	0.06	.
14	B	5	.	.	0.07	.	.
14	C	8	1	.	0.12	0.01	.
15	A	768	248	10	11.27	3.64	0.15
15	B	42	42	2	0.62	0.62	0.03
15	C	3	.	.	0.04	.	.
15	D	9	3	.	0.13	0.04	.
15	E	14	.	.	0.21	.	.
15	F	13	34	.	0.19	0.5	.
16	A	.	.	1	.	.	0.01
16	B	1	1	.	0.01	0.01	.
17	A	4	.	.	0.06	.	.
17	B	37	16	.	0.54	0.23	.
17	C	7	2	.	0.1	0.03	.
17	D	177	56	3	2.6	0.82	0.04
18	A	5	.	.	0.07	.	.
18	B	5	.	.	0.07	.	.
19	A	9	.	2	0.13	.	0.03
19	B	21	1	.	0.31	0.01	.
19	C	2	.	.	0.03	.	.
20	A	3	.	1	0.04	.	0.01
20	B	16	.	.	0.23	.	.
20	C	1	.	.	0.01	.	.
20	D	17	.	.	0.25	.	.
20	E	8	.	.	0.12	.	.
20	F	81	19	4	1.19	0.28	0.06
21	A	1	.	.	0.01	.	.
22	A	4	.	.	0.06	.	.
22	B	5	.	.	0.07	.	.
23	A	10	.	.	0.15	.	.
23	B	6	1	.	0.09	0.01	.
23	C	11	.	.	0.16	.	.
23	D	2	.	.	0.03	.	.
23	E	43	22	1	0.63	0.32	0.01
24	A	4	.	.	0.06	.	.
24	B	2	.	.	0.03	.	.
26	A	4	.	.	0.06	.	.
26	B	1	.	.	0.01	.	.
26	C	6	.	.	0.09	.	.
26	D	9	.	1	0.13	.	0.01
27	A	2	.	.	0.03	.	.
27	C	2	.	.	0.03	.	.
28	A	8	.	.	0.12	.	.
29	A	1	.	.	0.01	.	.
29	B	3	2	.	0.04	0.03	.
29	C	23	1	1	0.34	0.01	0.01

29	D	18	3	.		0.26	0.04	.	
29	E	17	5	.		0.25	0.07	.	
29	F	3	.	.		0.04	.	.	
29	G	39	15	.		0.57	0.22	.	
30	A	38	23		1	0.56	0.34		0.01
30	B	2	1	.		0.03	0.01	.	
30	C	7	.	.		0.1	.	.	
30	D	9	6	.		0.13	0.09	.	
31	A	221	71		1	3.24	1.04		0.01
32	A	7	6	.		0.1	0.09	.	
32	B	27	5	.		0.4	0.07	.	
32	C	1	.	.		0.01	.	.	
32	D	3	.		1	0.04	.		0.01
33	A	8	1	.		0.12	0.01	.	
33	B	75	36	.		1.1	0.53	.	
33	C	22	1	.		0.32	0.01	.	
33	D	11	.	.		0.16	.	.	
34	A	1	2	.		0.01	0.03	.	
34	B	6	.	.		0.09	.	.	
35	A	8	2	.		0.12	0.03	.	
35	B	3	.	.		0.04	.	.	
35	C	2	.	.		0.03	.	.	
35	D	7	1	.		0.1	0.01	.	
35	E	7	.	.		0.1	.	.	
35	F	8	2	.		0.12	0.03	.	
35	G	1	.	.		0.01	.	.	
35	H	26	26	.		0.38	0.38	.	
35	I	4	4	.		0.06	0.06	.	
39	A	10	.		3	0.15	.		0.04
39	C	6	.		2	0.09	.		0.03
39	E	6	1		2	0.09	0.01		0.03
39	F	2	2		2	0.03	0.03		0.03
39	G	137	84		36	2.01	1.23		0.53
39	H	8	.		4	0.12	.		0.06
42	A	8	1		1	0.12	0.01		0.01
42	B	34	.		3	0.5	.		0.04
42	C	8	3	.		0.12	0.04	.	
42	D	96	54	.		1.41	0.79	.	
42	E	22	7		1	0.32	0.1		0.01
42	F	12	4	.		0.18	0.06	.	
42	G	13	4		5	0.19	0.06		0.07
42	H	62	13		15	0.91	0.19		0.22
44	A	2	.	.		0.03	.	.	
44	B	4	.	.		0.06	.	.	
44	C	14	12	.		0.21	0.18	.	
44	D	1	1	.		0.01	0.01	.	
44	E	1	.	.		0.01	.	.	
44	H	4	1	.		0.06	0.01	.	
44	I	6	3	.		0.09	0.04	.	
44	J	2	.	.		0.03	.	.	

44	K	2	1	.	0.03	0.01	.
44	L	7	.	.	0.1	.	.
46	A	232	205	38	3.4	3.01	0.56
46	B	7	2	4	0.1	0.03	0.06

Distributions: % of Total Frequency

Nonpolychrome:



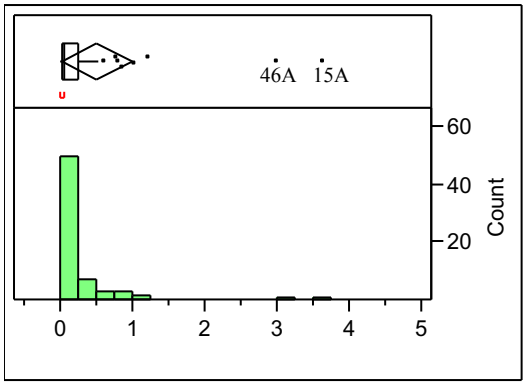
Quantiles

100.0%	maximum	17.620
99.5%		17.620
97.5%		3.356
90.0%		0.615
75.0%	quartile	0.253
50.0%	median	0.100
25.0%	quartile	0.040
10.0%		0.030
2.5%		0.010
0.5%		0.010
0.0%	minimum	0.010

Moments

Mean	0.486
Std Dev	1.8703018
Std Err Mean	0.1640363
upper 95% Mean	0.8105499
lower 95% Mean	0.1614501
N	130

Polychrome:



Quantiles

100.0%	maximum	16.060
99.5%		16.060
97.5%		7.055
90.0%		0.826
75.0%	quartile	0.250
50.0%	median	0.060
25.0%	quartile	0.015
10.0%		0.010
2.5%		0.010
0.5%		0.010
0.0%	minimum	0.010

Moments

Mean	0.5007353
Std Dev	2.0065745
Std Err Mean	0.2433329
upper 95% Mean	0.9864298
lower 95% Mean	0.0150408
N	68

Note: As the total sherd assemblage decreases dramatically when considering rim sherds only, by 90.34%, there is an increase in the number of operations and suboperations which do not have any polychromes. Of those with polychromes, however, 2A, 15A, and 46A continue to have the highest percent frequency with 16.06%, 3.64%, and 3.01% respectively (17.62%, 11.27 and 3.4% of nonpolychromes respectively). In contrast to these three exceptional operations, most operations have very low levels of polychromes (around 1% or less). The two graphs above highlight that the polychrome rims distributions are only slightly less dispersed as the non-polychrome rim frequencies.

APPENDIX 4-Analysis of Open to Closed Vessels[9]

Note: Two main categories of pottery are considered here: open vessels, which had a serving function, and closed vessels or jars, which had a storage function, according to cross-cultural studies of Guatemalan and world-wide pottery (Deal 1998; Reina and Hill 1978; Sinopoli 1991). The reason for this differentiation is that more daily activities such as eating or feasting can be inferred from a high density of open vessels while closed vessels would point to storage structures. According to Deal's studies of modern pottery use in the Guatemalan highlands (1998: 84), cooking and other food related activities are reflected in the archaeological record through a frequency ratio of about 8 open to 5 or 6 closed vessels (or 1.3 to 1.5), when coupled with the presence of other evidence such as ground stone used in processing maize and other plants. Areas with very high ratios of open to closed vessels could possibly be indicative of feasting areas, or other such events where open vessels would dominate. However, as both open and closed vessels needed to be replaced over time, these ratios should not be taken as absolute. Within the archaeological record of a residential group, it is more likely to see more rapid replacement of open vessels because water jars, the closed vessel type most often replaced, often break and are left near water sources and thus would not be as prominent among the residential structures (Deal 1998: 93). Both storage jars, carried to and from the storage structure and used in that day's meal, and serving vessels, which are stored along interior walls, were at high risk of being damaged as they were left outside to dry (ibid).

The subsequent tables present the distribution of the ratios of open to closed forms by operation and suboperation. All sherds from Motul de San José are considered in the first graphs, and only rim sherds in the second set of graphs. As already mentioned above, according to some studies, rims are more representative of the total number of vessels as the breakage of larger vessels will dominate the ceramic record more than smaller ones when body sherds are taken into account. However, as some contexts have very few rims and the majority of sherds recovered are body sherds, these cannot be discounted either.

[9] Open and Closed designations were determined by the form of the sherd and only those that were identifiable as open or closed were used in this analysis.

Open to Closed Ratios from MOTUL de SAN JOSÉ[10]

Op.	Sub Op.	Frequency All Sherds	O/C Frequency Ratio All Sherds	Frequency Rim Sherds	O/C Frequency Ratio-Rim Sherds	Weight All Sherds	O/C Weight Ratio-All Sherds	Weight Rim Sherds	O/C Weight Ratio-Rim Sherds
1	A	742	1.19	79	1.92	10990.7	1.1	2228	1.85
2	A	28163	1.09	2549	2.2	680697	1.21	189096.6	1.59
2	B	1275	1.21	161	3.16	28332.6	1.31	5861.6	2.53
3	A	251	0.91	20	3.5	5938.3	1.06	942.7	2.53
4	A	541	1.11	62	1.9	5329.3	1.2	1070.1	3.24
5	A	69	0.38	3	2	881.6	0.29	143.4	0.74
6	A	33	1.75	5	4	407.1	1.34	100.7	9.83
7	A	368	0.82	30	1.8	4754.9	0.72	813.8	1.87
7	B	147	1.93	13	1.2	2089.5	1.46	236.6	0.55
8	A	345	0.54	45	0.67	5620.3	0.38	1163.9	0.45
8	B	704	0.6	52	1.47	11754.8	0.56	1280.5	1.19
8	C	241	0.61	27	1.67	1916.9	0.91	415.4	2.35
8	D	589	0.97	37	1.73	4812.3	0.88	792.1	1.96
8	E	172	0.67	14	1.67	1210.2	1.03	195.1	2.22
8	F	228	0.65	16	1.2	1820.2	0.78	235.2	0.89
8	G	235	0.62	23	1	2903.6	0.29	557.9	0.54
9	A	164	0.74	17	1.43	2587.9	0.96	643.3	2.44
9	B	337	0.95	31	2.13	3376.4	1.35	705	2.38
9	C	63	1.5	4	3	711.2	1.33	96.3	1.59
9	D	155	1	8	0.67	1490.5	0.89	319.7	0.51
10	A	1075	1.56	80	2	9194.7	1.47	1519.6	1.12
10	B	110	0.6	11	0.67	1081	0.17	86.1	0.46
10	C	153	1.17	12	0.67	1611.9	1.51	425.1	1.32
10	D	1047	0.85	84	1.75	10922.8	0.65	1741.9	0.87
11	A	39	1.25	3	.	320.1	0.95	20.5	.
12	A	140	1.13	9	1.67	2510	0.73	249.5	0.36
12	B	569	0.49	42	1	6799.5	0.63	1203.9	1.08
12	C	654	0.8	33	2.25	5935.3	0.98	549.4	1.96
12	D	586	0.68	38	1	5700.8	0.7	1006.7	0.98
13	A	685	1.22	76	1.96	10870.2	1.13	2464.8	1.62
13	B	56	0.75	7	1.5	615.2	1.11	171.1	3.73
13	C	63	0.75	6	0.5	630.8	0.76	119.8	0.97
13	D	10	.	.	.	89.1	.	.	.
14	A	187	0.86	10	4	3781.9	1.51	752.5	11.65
14	B	67	0.82	6	0.5	1068	0.48	237.7	0.2
14	C	253	0.76	13	2.67	2944.8	0.94	433	3.57
15	A	16285	0.43	1537	1.03	266805	0.48	74519.8	1.02

[10] Ratios from all sherds were determined out of the 110,499 sherds recovered at Motul de San José with a combined weight of 1,781,219.5 g. while ratios from rim sherds were determined out of the 9,280 rims recovered at Motul de San José with a combined weight of 422,889.2 g. No separation by time periods was made for this analysis.

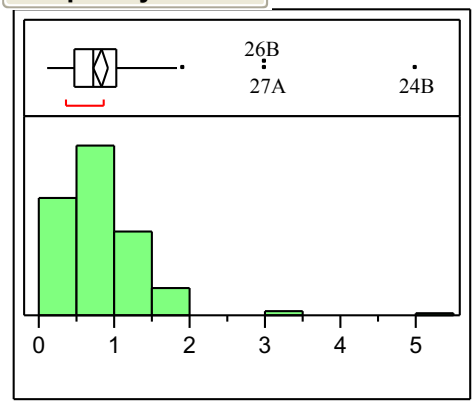
15	B	1208	1.01	141	2.94	20588.2	0.74	4622.3	2.29
15	C	224	0.47	11	5	2112.4	0.49	128.9	2.29
15	D	287	0.48	17	2.4	3070.8	0.53	485.7	2.34
15	E	345	0.8	20	1.13	3218.3	0.54	752.8	0.43
15	F	738	1.08	67	4.45	8068.7	1.29	1639.1	4.2
16	A	73	0.26	4	.	728.3	0.17	57	.
16	B	90	0.5	3	1	1020.3	0.53	24.2	0.04
17	A	47	0.67	6	0.5	660.2	1.17	211	1.28
17	B	1461	1.02	100	2.03	19338.3	0.95	2858.1	1.45
17	C	420	1.21	36	1.75	3147.7	1.03	615.7	1.58
17	D	3458	0.82	366	1.41	54654.9	0.82	12883.3	1.36
18	A	182	0.5	10	4	1870	0.53	238	12.84
18	B	391	1.31	23	3	3026.6	0.86	209	1.68
19	A	431	0.26	26	1.63	4608	0.15	526.3	0.51
19	B	670	0.34	36	1.83	7678.5	0.46	992.3	2.54
19	C	47	0.13	4	1	744.8	0.19	146.9	1.03
20	A	63	0.83	9	3	772.1	0.5	119.4	1.02
20	B	473	0.27	28	1.36	4747	0.28	641.8	1.65
20	C	97	0.19	5	0.67	1312.2	0.23	164.1	2.45
20	D	281	0.48	24	1.44	3359.8	0.33	547.2	0.97
20	E	117	0.24	10	1.67	1238.5	0.53	256.5	1.49
20	F	1747	0.85	153	1.7	21111.4	0.82	4190	1.78
20	G	8	.	.	.	47.8	.	.	.
21	A	43	0.67	1	.	278.3	0.36	6.6	.
22	A	117	0.21	7	0.5	1201.1	0.19	225.9	0.4
22	B	136	0.5	8	0.75	1267.2	0.25	184.8	0.59
22	C	1	.	.	.	23.2	.	.	.
23	A	222	0.24	12	0.38	2058.4	0.48	330.7	0.45
23	B	103	0.79	16	2.5	965.2	0.41	228.5	1.04
23	C	165	0.43	18	0.89	2063.3	0.44	379.4	0.72
23	D	143	0.5	6	1	1152.1	0.36	111.8	0.53
23	E	740	0.53	87	2.29	15198	0.59	3587.1	1.97
24	A	158	0.8	9	0.75	1737	0.92	297	1.74
24	B	25	5	2	.	357.1	1.54	86.9	.
25	A	29	0.33	4	0.5	219.8	0.14	30.6	0.28
25	B	3	.	.	.	58.6	.	.	.
26	A	136	0.76	11	2	1408.2	0.79	223	4.48
26	B	21	3	2	.	314.5	25.47	137.7	.
26	C	145	0.58	12	0.83	1631.4	0.46	358.1	1.5
26	D	255	0.43	20	1.25	2748.3	0.52	497.8	1.21
27	A	33	3	3	.	232.9	10.75	84.3	.
27	B	55	1	1	.	562.5	0.29	21.7	.
27	C	49	0.67	2	.	488.9	0.84	71.3	.
28	A	138	0.71	14	1.5	927.2	0.97	232.6	1.87
29	A	33	0.8	1	.	390.4	1.39	12.6	.
29	B	190	1.63	12	5	1320.9	1.23	111.5	0.82
29	C	598	1.27	39	1.83	6739.3	1.1	1182.7	2.61
29	D	237	0.96	26	0.79	4094.9	0.77	961.3	1.31
29	E	333	1.21	29	2.5	4333.5	1.04	595.7	2.74
29	F	74	0.32	3	2	1251.5	0.9	24.2	.

29	G	1340	0.66	90	2.2	11769.2	0.76	2160.6	1.16
30	A	1368	0.78	70	1.06	21401.9	0.72	3009.7	0.72
30	B	71	0.64	3	2	651.9	0.91	96	4.71
30	C	83	0.71	8	3	1472.3	1.27	435	3.56
30	D	210	1.37	18	7	3473.3	2.27	750.7	5.73
31	A	2793	0.84	329	1.28	52872.4	0.77	16232.6	0.94
32	A	286	1.25	36	4.25	3380.3	2.25	876.7	6.19
32	B	766	0.65	50	1.23	8390.6	0.46	1193.7	0.66
32	C	33	1	3	1	283.8	3.02	43.7	12.03
32	D	130	1.83	10	3	1078.7	1.07	169.3	1.68
33	A	143	0.57	14	1	1441.9	0.56	392.4	0.64
33	B	2670	1.01	155	1.57	24512.2	1.05	3237.4	1.38
33	C	515	1	52	1.38	5759.2	1	1218.7	1.35
33	D	228	0.66	16	0.88	2878	0.45	265.9	0.31
34	A	397	0.82	10	2.5	3881.8	2	232.7	12.49
34	B	148	0.35	12	0.5	1268	0.33	132.6	0.87
35	A	304	0.36	15	1.17	2495.8	0.76	560.8	3.11
35	B	82	0.29	5	0.25	749	0.32	64.7	0.19
35	C	66	1.55	4	3	1922.8	9.35	80.2	1.12
35	D	229	0.25	11	1.5	1716.1	0.27	175.3	1.37
35	E	148	0.46	9	0.4	1198.6	0.86	218.5	2.97
35	F	167	0.31	12	5	1528.5	0.61	306.7	5.3
35	G	117	0.5	4	.	668.8	1.68	113.1	.
35	H	697	0.42	69	1.54	11441.2	0.46	2914.1	0.97
35	I	121	0.41	10	2.33	1198.3	0.43	216.7	2.44
39	A	311	0.64	13	2	2975.9	1.05	326.5	7.45
39	C	170	0.47	12	1.4	1615.4	0.81	316.9	1.96
39	E	98	1.13	11	2.67	1352.4	1.35	595.4	1.67
39	F	170	0.81	8	.	1735.2	0.94	190.9	.
39	G	3521	1.33	265	2.7	55529.2	1.33	10941.8	1.6
39	H	197	1.15	14	6	1918.1	1.34	379.4	10.82
42	A	119	0.16	12	0.83	1304.2	0.29	359.2	0.94
42	B	1144	0.45	52	1.33	11359.3	0.67	1590.5	1.68
42	C	514	0.2	20	0.88	3032.8	0.23	212.4	0.48
42	D	2701	0.43	178	2.35	31515.1	0.55	4845.2	2.19
42	E	1208	0.29	89	0.97	9482.4	0.39	1906.4	1
42	F	181	0.53	28	0.71	1722.9	0.45	602.7	0.68
42	G	643	1.16	34	1.43	4886.9	0.8	635.5	1.1
42	H	2536	0.9	195	2.3	21653.4	0.92	4400.4	1.61
44	A	172	0.22	8	1.5	1032.3	0.26	67.6	0.74
44	B	113	0.16	9	2.5	755.1	0.14	94.7	0.88
44	C	347	0.38	29	0.93	2408.6	0.5	425.5	1.25
44	D	172	0.37	8	.	843	0.25	78.9	.
44	E	32	0.8	2	.	126.6	1.9	14.8	.
44	H	211	0.5	12	6	1940.3	2.09	650.2	19.22
44	I	420	0.53	17	1.17	2249.7	0.53	206.9	1.55
44	J	604	1.53	36	3.4	2368.7	1.23	342.3	2.52
44	K	330	1.22	43	1.09	2319.2	0.9	794.5	0.69
44	L	222	0.22	9	0.75	1506	0.18	222.2	0.49
44	M	63	0.2	4	.	292.9	0.09	9.7	.

44	N	10	.	1	.	42.4	.	1.5	.
46	A	6915	1.42	534	2.72	115717	1.56	22555	2.81
46	B	422	1.73	15	2	3444.9	1.6	331.8	5.64

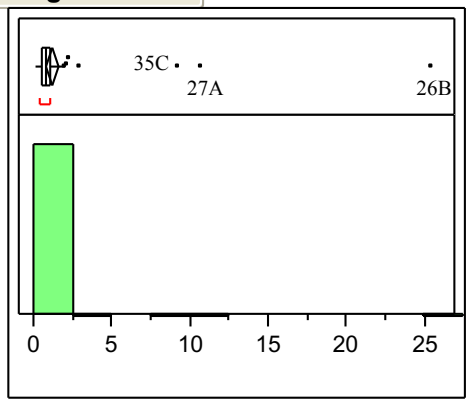
Distributions of Open/Closed Forms of All Sherds:

Frequency Ratio



Quantiles			Moments	
100.0%	maximum	5.0000	Mean	0.822286
99.5%		5.0000	Std Dev	0.6034865
97.5%		2.5714	Std Err Mean	0.0519398
90.0%		1.3865	upper 95% Mean	0.9250139
75.0%	quartile	1.0211	lower 95% Mean	0.719558
50.0%	median	0.7143	N	135
25.0%	quartile	0.4643		
10.0%		0.2605		
2.5%		0.1746		
0.5%		0.1250		
0.0%	minimum	0.1250		

Weight Ratio



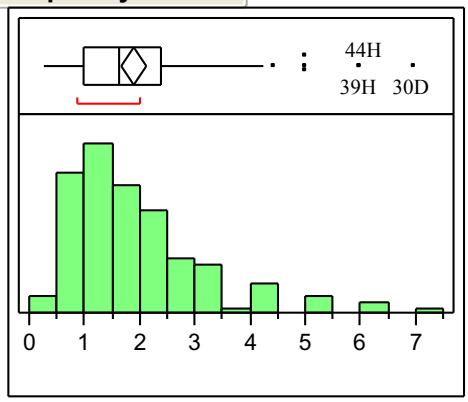
Quantiles			Moments	
100.0%	maximum	25.475	Mean	1.1453156
99.5%		25.475	Std Dev	2.4410171
97.5%		6.820	Std Err Mean	0.2100893
90.0%		1.525	upper 95% Mean	1.5608356
75.0%	quartile	1.111	lower 95% Mean	0.7297955
50.0%	median	0.784	N	135
25.0%	quartile	0.459		
10.0%		0.253		
2.5%		0.143		
0.5%		0.091		
0.0%	minimum	0.091		

Note: As can be seen from the charts above, there are certain operations and suboperations without any ratios. This occurs when there are no open sherds, mathematically giving a ratio of zero, or when there are no closed sherds, mathematically giving an undetermined ratio. Both such incidences are presented here simply as not having an existing ratio. Of those operations and suboperations with ratios, 19C at 0.13, 42A at 0.16, 44B at 0.16, 20C at 0.19 have a frequency ratio of less than 0.2 while those with a frequency ratio of more than 2 are 26B at 3, 27A at 3, and 24B at 5. While looking at weight ratios, those operations and suboperations with a ratio of less than 0.2 are 44M at 0.09, 25A at 0.14, 44B at 0.14, 19A at 0.15, 10B at 0.17, 16A at 0.17, 44L at 0.18, 19C at 0.19 and 22A at 0.19. Those with a weight ratio of more than 5 are 26B at 25.46, 27A at 10.75, and 35C at 9.35. While ratios for both frequencies and weights are presented here, frequency ratios seem more valid as they are a better representation of the number of vessels present, and they provide us with a maximum. In contrast, the weight ratios favor unslipped, storage jars, or closed forms. Such vessels tend to be much bigger and heavier (as they are used for storing or carrying water, grain, and the like) than plates which are usually used by a single or smaller number of individuals. The outliers (ops.

24B, 26B, 27A, 35C) which have such high ratios of open to closed forms (measured as either by frequency or weight) suggests that more than domestic activities occurred in these groups, such as feasting which involves more open forms. However, the sample size for these suboperations is quite small (see tables above), and these high ratios of open to closed forms are probably due to sampling bias. At the other end of the distribution, the suboperations with very low ratios would suggest storage facilities, but small sample size also affects these. To ensure that sampling size does not affect this analysis, we excluded all operations with a frequency of less than 100, and then examined the ratio of open to closed sherds at Motul de San José. This resulted in all operations maintaining a ratio below 2 for frequency or below 3 for weight. Operations with a frequency ratio of more than 1.5 are as follows: 7B at 1.93, 32D at 1.83, 46B at 1.73, 29 B at 1.63, and 10A at 1.56 while operations with a ratio of less than 0.2 are: 44B at 0.16, 42A at 0.16, and 42C at 0.2. The open to closed ratios by weight for all sherds are as follows, 30D at 2.27, 32A at 2.25, 44H at 2.09, 34A at 2, while the lows are 44B at 0.14, 19A 0.15, 10B at 0.17, 44L at 0.18, and 22A at 0.19. Once again, the low ratios can be suggestive of storage areas while the high ones can be indicative of feasting areas.

Distributions of Open/Closed Forms of Rim Sherds Only:

Frequency Ratio



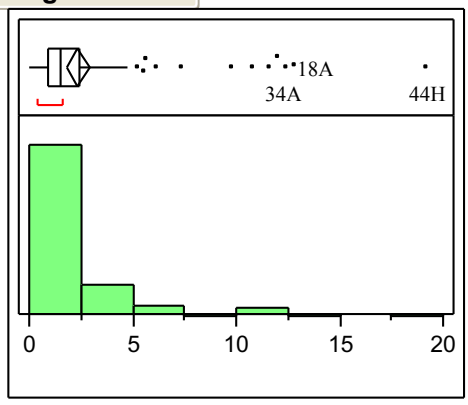
Quantiles

100.0%	maximum	7.0000
99.5%		7.0000
97.5%		5.9500
90.0%		3.4800
75.0%	quartile	2.3771
50.0%	median	1.6250
25.0%	quartile	1.0000
10.0%		0.6667
2.5%		0.4050
0.5%		0.2500
0.0%	minimum	0.2500

Moments

Mean	1.8952212
Std Dev	1.2592361
Std Err Mean	0.114476
upper 95% Mean	2.1218757
lower 95% Mean	1.6685666
N	121

Weight Ratio



Quantiles

100.0%	maximum	19.218
99.5%		19.218
97.5%		12.482
90.0%		5.243
75.0%	quartile	2.442
50.0%	median	1.491
25.0%	quartile	0.871
10.0%		0.484
2.5%		0.202
0.5%		0.041
0.0%	minimum	0.041

Moments

Mean	2.3539342
Std Dev	2.9735559
Std Err Mean	0.2714473
upper 95% Mean	2.8914269
lower 95% Mean	1.8164415
N	120

Note: When considering rims alone we have lost 91.6% of our frequency within our sherd assemblage and 76.3% of our weight. Despite this loss, some studies have shown that rim sherds alone are a better representation of the original number of vessels and as such are looked at in their own right here. Operations and suboperations with less than a 0.5 frequency ratio are 35B at 0.25, 23A at 0.38, and 35E at 0.4 (suggesting storage facilities) while the ones with a frequency ratio of more than 5 are 30D at 7 and 44H at 6 and 39H at 6 (suggesting feasting areas). The operations and suboperations with a weight ratio of less than 0.5 are 16B at 0.04, 35B at 0.19, 14B at 0.2, 25A at 0.28, 33D at 0.31, 12A at 0.36, 22A at 0.4, 15E at 0.43, 8A at 0.45, 23A at 0.45, 10B at 0.46, 42C at 0.48 and 44L at 0.49 (suggesting again storage areas), while those with a weight ratio of more than 5 are 35F at 5.3, 46B at 5.64, 30D at 5.73, 32A at 6.19, 39A at 7.45, 6A at 9.83, 39H at 10.82, 14A at 11.65, 32C at 12.03, 34A at 12.49, 18A at 12.84, and 44H at 19.22 (suggesting again feasting areas). Again in discounting operations with a sample size of less than 100 sherds, in order to be completely sure our samples are not biased, the outliers of frequency and weight ratios become less extreme. Operations with a frequency ratio of more than 2.5 are 2B at 3.16, 15B at 2.94, 46A at 2.72, and 39G at 2.7, while operations with a frequency ratio of less than 1.5 are 15A at 1.03, 31A at 1.28, and 17D at 1.41. Examining weight ratios we achieve the following results, 46A at 2.81, 2B at 2.53, 15B at 2.29, and 42D at 2.19 as those operations with a ratio greater than 2. Those with a weight ratio of less than 1.5 are 31A at 0.94, 15A at 1.02, 17D at 1.36, 33B at 1.38 and 17B at 1.45. While we have some areas which can still be considered feasting areas due to their high ratios, the lowest ratios here do not seem to be indicative of storage areas as they remain very close to Deal's household activity ratio.

Open to Closed Ratios from the Late Classic Period[11]

Op.	*Sub Op.*	*Frequency All Sherds*	*O/C Frequency Ratio-All Sherds*	*Frequency Rim Sherds*	*O/C Frequency Ratio-All Sherds*	*Weight All Sherds*	*O/C Weight Ratio-All Sherds*	*Weight Rim Sherds*	*O/C Weight Ratio-All Sherds*
1	A	235	1.03	51	1.83	4898.5	0.92	1829.1	1.82
2	A	11323	1.01	2263	2.11	415720.9	1.18	184401.9	1.56
2	B	485	1.08	130	3.33	13303.8	1.17	5297.4	2.42
3	A	108	0.86	13	3.33	3784.7	1.08	700.6	2.23
4	A	32	1	12	11	601.7	1	260.6	28.28
5	A	3	0.5	.	.	39.8	0.17	.	.
6	A	6	1	.	.	153.3	1.17	.	.
7	A	57	0.73	24	1.4	1471.4	0.67	704.1	1.52
7	B	22	0.83	9	0.8	643.9	0.69	198.3	0.44
8	A	30	0.67	14	0.75	1009.6	0.48	671.7	0.53
8	B	226	0.6	37	1.47	4689.5	0.59	1116.1	1.15
8	C	11	2.67	.	.	240	11.57	.	.

[11] Ratios from all sherds were determined out of the 70,595 sherds recovered at Motul de San José with a combined weight of 1,418,586 g. while ratios from rim sherds were determined out of the 6,817 rims recovered at Motul de San José with a combined weight of 371, 981.7 g.

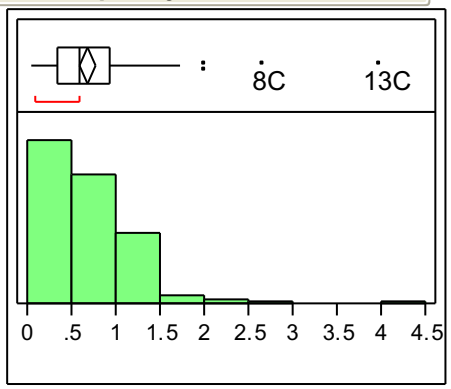
8	D	53	0.83	20	1.22	958.8	0.5	460.2	1.04
8	E	9	0.8	6	1	139.9	1.02	102.9	1.42
8	F	19	0.58	5	0.67	341.4	0.72	119.9	0.34
8	G	19	0.19	9	0.13	654.8	0.05	326.5	0.03
9	A	29	1.42	9	2	864.3	2.08	527.3	4.34
9	B	32	0.88	23	1.88	743.1	1.41	625	2.28
9	C	9	1.25	4	3	141.6	1.18	96.3	1.59
9	D	14	0.75	4	1	290.2	0.7	182.2	1.29
10	A	107	0.57	16	2.2	1519.1	0.82	357.6	0.96
10	B	8	0.6	3	0.5	99.8	0.13	22	0.17
10	C	19	1.11	9	0.8	492.7	1.25	390.3	1.55
10	D	176	0.71	45	1.25	3039.2	0.42	1254.4	0.62
11	A	7	0.75	.	.	118.3	0.86	.	.
12	A	16	0.45	5	0.67	583.8	0.22	204.3	0.13
12	B	79	0.36	27	0.69	1571.8	0.69	864.8	1.11
12	C	60	0.4	16	1.29	944.7	0.55	372	1.74
12	D	79	0.58	23	1.3	1572.5	0.64	725.7	1.65
13	A	189	1.08	58	1.9	4346.7	1.08	2183.7	1.52
13	B	6	1	5	1.5	220.4	1.28	156.9	3.73
13	C	5	4	.	.	84.4	11.6	.	.
13	D	.	.	.	.	.	.	.	.
14	A	50	0.72	7	2.5	2004	1.46	665.1	10.18
14	B	7	0.17	5	0.25	257.1	0.12	226.2	0.14
14	C	45	0.67	9	2	903.5	0.88	400.8	3.36
15	A	6037	0.31	1012	0.8	154296.4	0.34	51968	0.69
15	B	472	0.84	86	3.78	12048.4	0.65	3815.6	2.43
15	C	33	0.38	3	2	521.1	0.55	86.9	1.46
15	D	48	0.6	12	2	863.3	1.09	396.4	2.52
15	E	31	1.07	14	1	954.7	0.56	723.1	0.42
15	F	446	0.96	46	6.67	5517.5	1.23	1440.5	4.9
16	A	14	0.08	.	.	250.7	0.03	.	.
16	B	16	0.33	2	1	188.9	0.52	17.8	0.04
17	A	11	0.83	4	1	257.4	2.09	156.2	3.12
17	B	294	0.88	53	2.12	6264.3	0.92	2311.4	1.47
17	C	41	1.16	9	2	525.4	0.95	266.5	1.57
17	D	810	0.67	233	1.22	24229.1	0.76	11395.7	1.3
18	A	14	0.75	.	.	414.1	1.03	.	.
18	B	30	0.5	5	0.67	290.1	0.25	73.7	0.3
19	A	34	0.17	9	0.8	800.8	0.13	292.8	0.43
19	B	80	0.27	22	1	1765.9	0.54	706	2.04
19	C	3	2	.	.	82.5	9.44	.	.
20	A	6	1	4	1	114.4	0.59	89.9	0.54
20	B	41	0.28	16	1.29	1001.1	0.53	512.7	2.12
20	C	8	0.14	.	.	277.2	0.06	.	.
20	D	21	1.63	17	1.83	597.5	1.09	489.4	0.98
20	E	11	0.83	8	1.67	268.9	1.23	247.9	1.49
20	F	411	0.77	103	1.51	8325.1	0.83	3567.5	1.74
21	A	.	.	.	.	.	.	.	.
22	A	9	0.29	4	0.33	253.9	0.34	196.5	0.39
22	B	7	0.4	5	0.25	138.1	0.21	134	0.19

23	A	21	0.17	10	0.25	521.2	0.4	326.8	0.45
23	B	10	1.5	7	2.5	180.8	0.96	138.1	1.47
23	C	18	0.5	11	0.83	573.7	0.64	312.5	0.76
23	D	.	.	.	.	.	.	.	.
23	E	306	0.52	64	2.05	9686.2	0.61	3273.7	1.95
24	A	7	0.4	4	1	241.2	1.16	187.6	2.24
24	B	3	2	.	.	151.6	1.34	.	.
25	A	.	.	.	.	.	.	.	.
25	B	.	.	.	.	.	.	.	.
26	A	11	0.38	4	3	331.7	0.97	181.2	8.96
26	B	.	.	.	.	.	.	.	.
26	C	22	0.47	6	0.5	438.7	0.85	275.9	1.79
26	D	28	0.27	10	0.67	554.7	0.21	279.1	0.37
27	A	4	1	.	.	88.6	9.18	.	.
27	B	4	0.33	.	.	54	0.2	.	.
27	C	5	0.67	.	.	156.5	0.84	.	.
28	A	16	0.33	8	1	245.6	0.86	187	1.54
29	A	7	0.75	.	.	168.4	2.65	.	.
29	B	33	0.83	4	3	288.2	0.49	56.9	0.45
29	C	113	1.13	24	2	2101.1	1.33	947.7	2.96
29	D	77	0.83	20	1	2051.9	0.77	908.7	1.43
29	E	85	1.02	22	3.4	1682.9	0.99	510	4.16
29	F	40	0.38	3	2	999.8	0.96	.	.
29	G	573	0.44	54	1.35	6859.2	0.66	1798.1	0.88
30	A	324	0.68	60	1.14	8894.2	0.67	2897.7	0.74
30	B	12	0.33	3	2	206.8	0.76	96	4.71
30	C	24	0.6	7	2.5	814	1.41	427.9	3.49
30	D	84	1.27	15	6.5	1951.8	2.39	739	5.71
31	A	1216	0.76	290	1.18	35763.5	0.72	15722.3	0.92
32	A	56	0.93	13	5.5	1115.3	1.51	504.4	5.44
32	B	118	0.31	31	0.82	2253.5	0.24	869	0.39
32	C	4	1	.	.	56.8	3.66	.	.
32	D	10	1	4	3	149.7	0.78	55.8	6.15
33	A	17	0.31	9	0.8	354	0.49	287.6	0.68
33	B	590	0.9	106	1.47	7840.1	0.94	2878.8	1.33
33	C	59	0.59	23	1.09	1176.9	0.61	594.7	0.99
33	D	51	0.46	11	0.57	810.4	0.27	227.4	0.17
34	A	40	0.38	.	.	880.8	1.34	.	.
34	B	19	0.36	6	0.5	265.8	0.32	105.6	0.87
35	A	78	0.16	9	0.5	842.52	0.08	149.2	0.12
35	B	20	0.11	.	.	187.89	0.06	.	.
35	C	15	0.36	2	1	1500.49	8.94	55.5	0.47
35	D	93	0.11	8	1	996.25	0.18	164.9	1.27
35	E	30	0.36	6	0.5	448.45	0.87	210.5	3.2
35	F	59	0.18	10	4	782.1	0.32	221.6	3.55
35	G	17	0.21	.	.	180.13	1.73	.	.
35	H	370	0.34	50	1.78	8366.59	0.38	2743.4	1
35	I	49	0.29	8	3	649.63	0.35	172.8	2.25
39	A	46	0.64	12	2	680.3	1.05	317.7	7.45
39	C	45	0.36	8	1	646.2	0.65	272.5	1.77

39	E	14	1	9	3.5	610.4	1.53	556.3	1.97
39	F	36	0.8	.	.	532.8	0.95	.	.
39	G	1169	1.31	255	2.59	29152.6	1.31	10825.5	1.57
39	H	34	1.27	12	11	756	1.32	355.2	23.5
42	A	41	0.14	10	0.67	620.7	0.34	331.8	0.82
42	B	118	0.3	37	0.95	2530.4	0.61	1311.7	1.34
42	C	151	0.15	11	0.83	1229.6	0.19	176.2	0.49
42	D	1545	0.39	148	2.52	22351.6	0.53	4468.5	2.43
42	E	219	0.2	30	1.14	2816.4	0.35	787.3	2.43
42	F	36	0.64	16	1	527.4	0.72	252.5	1.86
42	G	57	1.19	22	1.2	808.4	0.61	415	0.68
42	H	278	0.79	89	1.47	5214.1	0.76	2665	1.43
44	A	31	0.19	2	1	263.8	0.22	18.1	0.25
44	B	33	0.06	4	1	281.1	0.08	62.2	0.5
44	C	118	0.37	26	0.86	1014.8	0.53	342.5	1.11
44	D	21	0.05	.	.	210.5	0.01	.	.
44	E	6	0.2	.	.	18.5	0.57	.	.
44	H	35	0.25	5	4	924.2	4.01	582.7	17.98
44	I	132	0.32	9	1.25	811.8	0.31	87	0.52
44	J	22	0.29	2	1	144.2	0.94	32.8	1.43
44	K	18	0.38	.	.	249.4	0.4	.	.
44	L	55	0.12	7	0.75	609.8	0.2	212.3	0.49
44	M	10	0.11	.	.	49.7	0.04	.	.
44	N	.	.	.	.	.	.	.	.
46	A	2020	1.32	462	2.45	53928.92	1.54	21383.9	2.72
46	B	60	1.73	12	2	704.7	1.6	284.7	5.64

Distributions of Open/Closed Forms of All Late Classic Sherds:

O/C Frequency Ratio-All Sherds



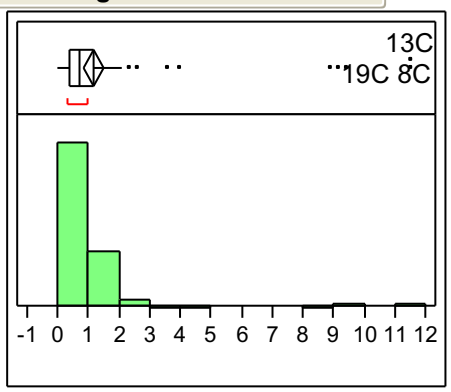
Quantiles

100.0%	maximum	4.0000
99.5%		4.0000
97.5%		2.0000
90.0%		1.2380
75.0%	quartile	0.9300
50.0%	median	0.6000
25.0%	quartile	0.3300
10.0%		0.1700
2.5%		0.0890
0.5%		0.0500
0.0%	minimum	0.0500

Moments

Mean	0.6830534
Std Dev	0.5301217
Std Err Mean	0.046317
upper 95% Mean	0.774686
lower 95% Mean	0.5914209
N	131

O/C Weight Ratio-All Sherds



Quantiles

100.0%	maximum	11.600
99.5%		11.600
97.5%		9.362
90.0%		1.588
75.0%	quartile	1.160
50.0%	median	0.720
25.0%	quartile	0.400
10.0%		0.182
2.5%		0.043
0.5%		0.010
0.0%	minimum	0.010

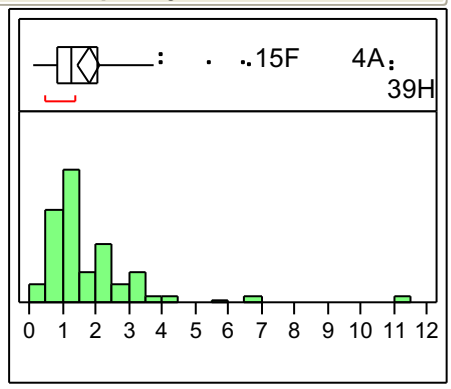
Moments

Mean	1.1661832
Std Dev	1.9128611
Std Err Mean	0.1671275
upper 95% Mean	1.4968249
lower 95% Mean	0.8355415
N	131

Note: Due to the fact that the Preclassic period tends towards open vessels, we once again considered the ratio of open to closed vessels but only for the Late Classic assemblage. Within this time period, as is shown in the above graphs, 13C, 8C and 19C have the highest ratios. However, as these operations have less then 100 sherds, there is a possible sampling bias. Thus when accounting for sampling bias by excluding such operations with sherd counts of less than 100, our ratios greater than 1 are 46A at 1.32, 39G at 1.31, and 29C at 1.13, while those less than 0.3 are 42C at 0.15, 42E at 0.2 and 42B at 0.3. All the high ratios fall within or statistically close enough to Deal's ratio to indicate possible household functions while suboperations 42B and E appear to identify a possible storage area.

Distributions of Open/Closed Forms of Late Classic Rim Sherds Only:

O/C Frequency Ratio-Rim Sherds



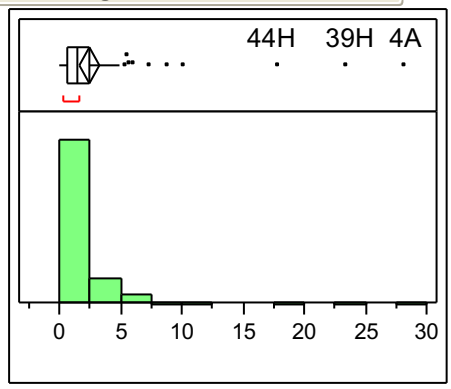
Quantiles

100.0%	maximum	11.000
99.5%		11.000
97.5%		7.861
90.0%		3.337
75.0%	quartile	2.037
50.0%	median	1.250
25.0%	quartile	0.837
10.0%		0.563
2.5%		0.250
0.5%		0.130
0.0%	minimum	0.130

Moments

Mean	1.8082407
Std Dev	1.7317658
Std Err Mean	0.1666392
upper 95% Mean	2.1385836
lower 95% Mean	1.4778979
N	108

O/C Weight Ratio-Rim Sherds



Quantiles

100.0%	maximum	28.280
99.5%		28.280
97.5%		19.636
90.0%		5.008
75.0%	quartile	2.420
50.0%	median	1.460
25.0%	quartile	0.620
10.0%		0.332
2.5%		0.096
0.5%		0.030
0.0%	minimum	0.030

Moments

Mean	2.4347664
Std Dev	4.042262
Std Err Mean	0.3907802
upper 95% Mean	3.2095261
lower 95% Mean	1.6600066
N	107

Note: When analyzing rims only, again within operations with sherd counts greater than 100 (though the above graphs show all operations and result in high ratios within operations 39H, 4A, 15F and 44H), our frequency ratios greater than 2.5 are as follows: 42D at 2.52, 39G at 2.59, and 2B at 3.33. These operations have ratios that are almost double, if not more, than Deal's. Thus, we can infer possible feasting activities occurring here or that these were elite households which would have more decorative, open vessels than areas occupied by nonelites. Within rims alone, operation 15A is the only one with a frequency ratio of less than 1 at 0.8. With regards to weight, our ratios are as follows, 46A at 2.72, 42D at 2.43, and 2B at 2.42 while 15A remains the lowest at 0.69 in addition to 31A with a ratio of less than 1 at 0.92.

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