

Table 3. Late Holocene Medicine Lake volcano paleomagnetic data.

Unit name	Site	Latitude	Longitude	N/No	Exp.	I	D	$\alpha 95$	k	R	Plat.	Plong.
Rhyolite of Glass Mountain (rgm)												
Dacite levee - LF	2B379	41.619°	238.560°					(Tilted TRM; no low-PTRM as line or plane)				
Dacite levee - LF	2B387	41.619°	238.560°					(Tilted TRM; no low-PTRM as line or plane)				
Dome 3 - WT	3B854	41.615°	238.485°	14/15	10+	67.8°	358.3°	5.2°	60	13.78450	80.8°	232.0°
Dome 6 - WT	4B394	41.617°	238.480°	12/12	20	68.6°	349.1°	3.4°	168	11.93446	77.3°	206.4°
Dome 6 (smallest) - CS	4B406	41.617°	238.480°	13/13	Th	72.8°	351.1°	7.7°	30	12.60393	72.4°	222.9°
Roadcut nr S dome - WT	4B431	41.586°	238.503°	10/13	20+	71.8°	329.9°	4.9°	98	9.90811	65.5°	196.8°
Deep crack, upper wall-LF	4B519	41.597°	238.503°	3/12	Th	71.0°	359.6°	3.4°	1,329	2.99850	76.1°	237.5°
Near South Dome - WT	5B345	41.586°	238.504°	13/13	30	69.9°	344.4°	4.9°	73	12.83488	73.9°	203.5°
Dome 10 - WT	7A140	41.624°	238.479°	13/13	20	74.9°	348.0°	3.4°	149	12.91954	68.8°	222.7°
North quarry - WT	7A153	41.626°	238.479°	12/12	40	72.3°	348.1°	2.7°	252	11.95636	72.5°	216.9°
North quarry- WT	7A165	41.626°	238.479°	11/12	Th	75.3°	343.5°	3.0°	238	10.95800	67.2°	218.5°
N quarry - WT	7A177	41.626°	238.479°	10/12	10	73.9°	337.4°	4.9°	99	9.90882	67.0°	208.9°
Deep crack, lower wall-LF	B8478	41.597°	238.503°	12/12	Th	69.1°	354.4°	1.6°	720	11.9847	78.3°	221.5°
SW main flow - CS	B8490	41.587°	238.493°	10/13	Pl	(77.8°	308.7°)	12.6°	25	----	52.6°	207.8°
		41.6°	238.5°	11/14		71.8°	348.1°	2.1°	464	10.97847	73.1°	215.5°
Rhyolite of Little Glass Mountain (rlg)												
NW main flow - CS	2B350	41.570°	238.303°	14/17	Pl	65.9°	354.4°	6.5°	44	----	82.3°	209.3°
Crater Glass - CS	2B512	41.612°	238.362°	8/8	Th	69.7°	358.4°	9.1°	38	7.8139	78.1°	233.5°
Crater Glass - CS	2B520	41.612°	238.362°	4/8	Th	71.1°	352.0°	6.9°	177	3.98307	75.0°	220.6°
Crater wall airfall - WT	3B869	41.609°	238.356°	15/15	NRM	67.3°	349.6°	3.5°	118	14.88112	78.9	201.5°
“Little Lost” spatter - WT	4B322	41.598°	238.351°	12/12	10	70.2°	4.5°	2.9°	221	11.95028	77.0°	250.1°
“Little Lost” dome - LF	4B334	41.598°	238.351°	12/12	Th	71.5°	1.6°	4.6°	91	11.87877	75.3°	241.8°

Unit name	Site	Latitude	Longitude	N/No	Exp.	I	D	α_{95}	k	R	Plat.	Plong.
N Crater Glass - WT	4B346	41.623°	238.370°	11/12	20	69.8°	2.3°	3.7°	156	10.93592	77.9°	244.9°
N lobe Crater Glass - CS	4B368	41.621°	238.368°	(Tilted TRM; not enough low-PTRM to acquire post-tilt magnetization)								
Vent, Little Glass Mtn.-CS	4B567	41.569°	238.313°	16/16	Th	73.3°	341.4°	6.2°	36	----	69.0°	211.0°
Prismatic blocks - PB	5B396	41.573°	238.329°	(No evidence of stable PTRM from prismatic jointed blocks)								
		41.6°	238.35°	8/10		70.0°	355.6°	2.4°	547	7.98721	77.3°	226.6°
Basaltic andesite of Paint Pot Crater (mpp)												
WT	2B254	41.549°	238.292°	9/12	30	52.8°	5.9°	2.2°	542	8.98525	80.6°	26.5°
Basaltic andesite of Callahan Flow (mcf)												
Old railroad grade - LF	BkFC	41.691°	238.399°	12/12	NRM	51.2°	4.5°	2.8°	240	11.95419	79.6°	37.0°
Old railroad grade - LF	2B266	41.689°	238.383°	11/12	30+	50.5°	5.0°	2.3°	404	10.97522	78.8°	35.9°
S of Cinder Butte - LF	5B260	41.683°	238.400°	9/9	30+	52.3°	5.6°	1.1°	2,324	8.99656	80.1°	29.8°
Group I, E lobe - LF	7A104	41.694°	238.425°	21/24	Th	(47.4°	19.2°)	2.1°	239	20.91618	(69.6°	2.5°)
Group II Island Butte - LF	B8671	41.692°	238.403°	12/12	60+	(40.1°	2.7°)	4.3°	102	11.89209	(71.0°	50.7°)
		41.69°	238.40°	3/5		51.3°	5.0°	1.5°	6,979	2.99971	79.5°	34.4°
Rhyolite of "Hoffman Flows" (rh)												
Channel, N flow – LF	4B377	41.621°	238.458°	17/17	20+	50.9°	356.7°	3.7°	94	16.82984	79.6°	74.3°
Crease, W end - S flow-CS	4B456	41.590°	238.456°	13/16	Th	52.2°	355.4°	2.4°	2,96	12.95945	80.5°	82.4°
CS	4B472	41.590°	238.459°	8/8	Th	52.7°	358.1°	6.0°	86	7.91845	81.6°	69.3°
		41.61°	238.46°	3/3		51.9°	356.7°	1.9°	4,239	2.99953	80.6°	75.5°
Andesite of Burnt Lava Flow (abl)												
N spatter vents - WT	BrLC	41.518°	238.469°	14/14	NRM	49.3°	0.1°	2.1°	360	13.96390	78.6°	58.1°
W of High Hole Cr. - LF	2B494	41.510°	238.549°	11/12	30+	47.7°	359.2°	1.4°	1,126	10.99112	77.3°	61.7°
W of High Hole Cr. - LF	2B506	41.510°	238.549°	6/6	30	50.6°	356.7°	2.4°	788	5.99366	79.4°	74.1°
		41.51°	238.5°	3/3		49.2°	358.7°	2.8°	1,924	2.99896	78.5°	64.3°

Unit name	Site	Latitude	Longitude	N/No	Exp.	I	D	$\alpha 95$	k	R	Plat.	Plong.
Basalt of Black Crater and Ross Chimneys (bbr)												
Black Crater - LF	BkCC	41.765°	238.450°	12/12	NRM	55.9°	359.2°	0.9°	2,375	11.99537	84.7°	65.1°
Ross Chimneys - LF	3A155	41.782°	238.461°	12/12	10	55.3°	359.6°	1.2°	1,411	11.99220	84.0°	61.6°
		41.77°	238.46°	6/6		55.5°	359.5°	1.2°	3,158	5.99842	84.3°	62.6°
Dacite of pit craters (dpc)												
Nr Undertakers Camp-WT	4B444	41.557°	238.469°	12/12	20	65.0°	358.6°	2.2°	382	11.97118	84.5°	228.7°
Crater near road - WT	4B531	41.573°	238.486°	12/12	20	65.5°	356.9°	1.8°	610	11.98198	83.5°	219.6°
NE crater - WT	2A350	41.566°	238.477°	12/12	30	66.8°	354.7°	3.3°	171	11.93584	81.4°	214.9°
		41.57°	238.48°	3/3		65.8°	356.8°	1.9°	4,374	2.99954	83.2°	220.1°
Dacite of Medicine Lake Glass Flow (dm)												
Southeast - CS	4B306	41.596°	238.410°	16/16	Th	62.7°	347.5°	3.6°	105	15.85773	80.2°	171.8°
West side – PB	5B370	41.601°	238.393°									
(No evidence of stable PTRM from prismatic jointed blocks)												

Notes: Unit name and symbol from Donnelly-Nolan (2010); individual sites are listed with geographic descriptor and code for nature of outcrop sampled: WT – welded tephra, LF – lava flow outcrop, PB – prismatic blocks, CS – crease structure; Site – alphanumeric identifier; Latitude and Longitude – site location in latitude degrees (N), and longitude degrees (E); N/No – the number of cores used compared to the number originally taken at the site; Exp. – the strength of the peak alternating field (AF) demagnetization field in mT; a plus (+) sign indicates that higher value AF steps were also used, Th indicates thermal demagnetization of the site, Pl – indicates that a planes analysis was used, and NRM indicates that no site-wide demagnetization was conducted after test samples showed no secondary components of magnetism were evident in the samples; I – remanent inclination in degrees; D – remanent declination in degrees; $\alpha 95$ – radius of the 95% confidence limit about the mean direction; k – estimate of the Fisher precision parameter; R – length of the resultant vector; Plat. and Plong. – location in degrees north and east of the virtual geomagnetic pole (VGP) calculated from the mean direction of the site. Mean unit values are in bold. I and D values in parentheses were not used in determining unit mean values. Data collected 1974 through 1998 by D.E. Champion.