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Hole 402-U1614A Core 23X, Interval 164.9-165.2 m (CSF-A) Core catcher made up of volcanic tuff. Magnetic susceptibility SHMSL WRMSL Reflectance Lamination thickness Planktic foraminiferal zone L* a* b* Drilling disturbance Nannofossil zone 0.0 Depth CSF-A (m) Core length (cm) (IU) Natural gamma radiation GRA bulk density (g/cm³) Bioturbation intensity Grading type 0.0 0.3 1.0 8.0 1.0 1.0 1.0 1.0 1.0 Ave. grain size class rank 0.0 Shipboard samples Lith. unit Lithology (cps) Section Core image 160.0 210.0 60.0 110.0 110.0 0.0 1.4 1.2 1.6 Ì. սհուսի . I. HS NANNO FORAM PAL 164.90 MNQ19b + 0 2 CC IIB %















Hole 402-U1614A Core 31X, Interval 241.5-241.53 m (CSF-A) ALL TO PAL Magnetic susceptibility SHMSL WRMSL Reflectance Lamination thickness Planktic foraminiferal zone L* a* b* Drilling disturbance Nannofossil zone 0.0 Depth CSF-A (m) Core length (cm) (IU) GRA bulk density (g/cm³) ଓ ଓ ଓ ଓ ଓ ଦୁ Լուսիսովում Natural gamma radiation Bioturbation intensity Grading type 0.0 0.3 1.0 8.0 1.0 1.0 1.0 1.0 1.0 Ave. grain size class rank 0.0 Shipboard samples Lith. unit Lithology Section (cps) Core image 0.0 2.5 7.5 7.5 10.0 0.0 0.3 0.5 1.0 0.0 PAL NANNO FORAM 241.50 0 -00














Hole 402-U1614C Core 11, Interval 0.0-66.0 m (CSF-A) DRILLED INTERVAL 0.0 m-66.0 m Magnetic susceptibility SHMSL WRMSL Reflectance Lamination thickness Planktic foraminiferal zone L* a* b* Drilling disturbance Nannofossil zone 0.0 Depth CSF-A (m) Core length (cm) (IU) GRA bulk density (g/cm³) 5 8 8 8 0 Luuluuluul Natural gamma radiation Bioturbation intensity Grading type 0.0 0.3 1.0 8.0 1.0 1.0 1.0 1.0 1.0 Ave. grain size class rank 0.0 Shipboard samples Lith. unit Lithology Section (cps) Core image 0.0 2.5 7.5 10.0 0.0 1.0 1.0 0.0 0.0 سلسسآ 259.98

Hole 402-U1614C Core 12, Interval 66.0-250.0 m (CSF-A) DRILLED INTERVAL 66.0 m-250.0 m Magnetic susceptibility SHMSL WRMSL Reflectance Lamination thickness Planktic foraminiferal zone L* a* b* Drilling disturbance Nannofossil zone 0.0 Depth CSF-A (m) Core length (cm) (IU) Natural gamma radiation GRA Bioturbation intensity Grading type 0.0 0.3 1.0 8.0 1.0 1.0 1.0 1.0 1.0 Ave. grain size class rank 0.0 GRA bulk density (g/cm³) S S S S S S Luuluuluuluul Shipboard samples Lith. unit Lithology Section (cps) Core image 0.0 2.5 7.5 10.0 0.0 1.0 1.0 0.0 0.0 سلسسآ 259.98







							Hole 40	2-U1614C-4F	R Sectior	1, Тор	of Section	on: 269	.0 m (CS	SF-A)				
Fract	Fractured Iherzolite with carbonate veins																	
								Primary	A									
								mineralogy Biotite	Avera	ige grain e (mm) iotite								
(E	cm)	L	mples		Magnetic			Amphibole Oxide Orthopyroxene	Am (phibole Dide	-	Struc	tures					
CSF-A	ength (numbe	oard se	mage	susceptibility (IU)	, i		Olivine Plagioclase Clinopyroxene	Play	livine gioclase pyroxene	eformation	ensity	nse of shu ontact	Altera	tion	Vein fill m	ninerals º	Fabrics Crystal-plastic
Depth	Core I	Piece	Shipb	Core i	0.0 2000.0	Lith. u	Lithology	- 25.0 - 25.0 - 75.0	- 100.0 - 2.0	1 0.0 0.0 0.0	Erittle d	CPF Inte	Fault se Upper or		Sily	Amphibo Carbona Chlorite	Magmat Quartz Other	0.0 1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.
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		22		12														
270.10 -	110 -	23		1 Sta														



























								Hole 40	2-U1614C-11F	R Sectio	on 1, T	op of	Sectio	on: 32	2.4 m	(CSF	-A)			
Asso	ciati	on o	f har	zburg	ite and If	nerzolite														
									Primary mineralogy	Aver siz	age gra	ain								
(m)	(ma	Ì.		mples		Magnetic			Biotite Quartz Amphibole Oxide	Ar	Biotite Quartz nphibole Oxide			Stru	ctures ಹ					
th CSF-A	e lenath (ce numbe	entation	oboard sa	e image	susceptibilit (IU)	y nuịt		Olivine Plagioclase Clinopyroxene	Pla Cline	Dlivine gioclase opyroxer	ie o	e deformation	Intensity	sense of she	r contact	Alteration intensity	ibole onate	/ein fill minerals	Fabrics Crystal-plastic Brittle
322.40	Cor Co	Lie Lie	Ōrie	Shij	Cor			Lithology	25.(50.(50.(75.(0.0	- 4.0 - 6.0		Brittle	CPF	Fault			L 5.0 Ampt Carbo	Chlor Magn Quart Other	0.0 2.0 3.0 5.0
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		15																		
323.40 -	-100	16																		0
323.50 -	110				51															

	Hole 402-U1614C-12R Section 1, Top of Section: 327.3 m (CSF-A)													
Lher	Lherzolite with small gabbro patch													
					Primary	Average grain								
			õ		mineralogy Biotite Quartz	size (mm) Biotite Quartz	Struc	tures						
F-A (m)	lth (cm)	nber	d sample	Magnetic susceptibility	Oxide Orthopyroxene Olivine	Oxide Orthopyroxene Olivine	ation /	of shear t	Vein fill minerals	Fabrics				
Jepth CS	Core lenç	Piece nur Drientatic	Shipboar	Core ima(0.0 2000.0 (()) 4000.0 (ith. unit	Clinopyroxene	Plagioclase Clinopyroxene 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	rittle deforn PF Intensit	ault sense o	0.0 Network of the second sec	Crystal-plastic Brittle				
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		3 T												
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027.170														
327.80 -	50 -		MAD											
327.90 -	60 -									•				
328.00 -	70 -			VI										
328.10 -	80 -	₄								•				
328 20 -	- 90 -													
										0 -0				
328.30 -	-100 -													
										•••				
328.40 -	-110 -													
328.50 -	120 -		ICP											
328.60 -	130 -													
328.70 -	140 -													
	ιL									Ó				

								Hole 402	2-U1614C-12R	Section 3, Top of	Secti	on: 329	9.96 m (C	SF-A)		
Lherz	olite	cros	S-CI	ut by ⁻	1 cm-thic	k gabbroi	c vein									
									Primary mineralogy	Average grain size (mm)						
	_			les					Biotite Quartz Amphibole	Biotite Quartz Amphibole		Struc	ctures			
F-A (m	th (cm)	nber	c	d samp	e	Magneti susceptib	ic ility		Orthopyroxene Olivine	Oxide Orthopyroxene Olivine	ation		if shear t		Vein fill minerals	Fabrics
oth CS	re leng	ce nur	entatio	ipboaro	e imaç	(IU)	00.0 . unit		Clinopyroxene	Plagioclase Clinopyroxene	e deform	Intensity	t sense c	Alteration intensity	hibole onate rite rtz	Crystal-plastic Brittle
Del	Ŝ	Eie	ō	Shi	Ğ	50 07		Lithology	- 25 - 25 - 50 - 75 - 10	0.0 2.0 4.0 6.0 8.0 10	Britt	CPF	L Faul		Carb Carb Carb Chio Magi Qua	0.0 1.0 2.0 1.0 2.0 5.0 1.0
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									Hole 402	-U1614C-14F	R Sec	ction	3, Тор (of Se	ectior	n: 33	9.52 n	n (CS	SF-A)					
Pla	giod	lase-	beari	ng lhe	rzolite wi	th spora	dically	rich	zones of pla	gioclase														
										Primary		Averag	e grain											
				ŝ						Biotite Quartz		size Bio Qui	(mm) tite artz			Stru	ctures							
(m) A-		(cm)	Der	sample		Magne	etic ibility			Oxide Orthopyroxene Olivine		Ampl Ox Orthopy	nibole ide /roxene		tion		shear					C 11		
th CSF		e lengt	se num entation	oboard	e image	(IU)	0.00	unit		Plagioclase Clinopyroxene	2	Plagic Clinopy	roxene		deforma	Intensity	sense of	r contact	Alteration intensity	eloc	Veir	n fill mir	erals	Fabrics Crystal-plastic Brittle
Dep		i Ö	Orie Orie	Ship	Core	0.0	400		Lithology	- 25.0 - 25.0 - 75.0	0.0	- 2.0	- 6.0 - 8.0		Brittle	CPF	Fault	Upper		5.0 Amub	Carbo	Chlori Magm	Quart	
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									Hole 402	2-U161	4C-16F	R Sec	tion 3	3, To	p of S	Sectio	n: 349	9.71 m	(CSI	A)						
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										Pr min	rimary eralogy	ļ	Average	e grair	ו											
				les						E C Am	Biotite Quartz Iphibole		Biot Qua Amph	tite artz ibole			Struc	ctures								
SF-A (m	gth (cm	mber	uo	rd samp	ge	Mag susce	netic ptibility			Ortho C Plag	pyroxene Divine gioclase		Oxi Orthopy Oliv Plagio	de roxene ine clase		mation	ţ	of shear	g	A H = ==			Vein	fill mine	rals	Fabrics
Depth C	Core len	^p iece nu	Drientati	Shipboa	Core ima	0.0	- 2000.0	ith. unit	Lithology	Clino 52:0	20.0 20.0 20.0 20.0	0.0	Clinopy	roxene	10.0	srittle defor	PF Intens	ault sense	pper conta		sity 0: 0: 0: 0: 0: 0:	mphibole	arbonate	lagmatic	ther	Crystal-plastic Brittle
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Lherzolite cross-cut by thin mafic veins	
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