375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 14/03/18

Expedition: 375 Observer: FM / MR

Site: U1518 Hole: E Core: 1 Sect.: 1 Interval: 76 cm

Sediment Name: Silty clay with nannofossils

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
		X			10	90

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
P	Quartz
P	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
C	Clear glass
R	Colored glass
	Pumice
P	Volcanic lithics
	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite)

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
R	Foraminifers
	Siliceous
	Diatom
	Radiolarian
R	Sillicoflagellate
R	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
R	Dense minerals[1]
R	Micas (biotite, musc, chl)[1]
T	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/14/18

Expedition: 375

Observer: Noda/Ku

Site: U1518 Hole: E Core: 1 Sect.: 3 Interval: 103cm

Sediment Name: Volcaniclastic s/lg sand with clay

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
X				45	35	20

Select one and check.

Percent	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
	Clay minerals
C	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
	Siltstone/sandstone
	Limestone
RC	Metamorphic lithic
T	Plutonic lithic
	Volcaniclastic Grains
C	Vitric fragments
	Clear glass
	Colored glass
	Pumice
C	Volcanic lithics
	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite)

Percent	Composition
	Pelagic Grains
	Calcareous
R	Nannofossils
P	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

Percent	Composition
	Minor Grain Types
R	Dense minerals[1]
R	Micas (biotite, musc, chl)[1]
P	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
R	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Fill percentage (Total must be 100).

Remarks: CPX, Zr

* This form is not designed for shallow water (neritic) carbonate sediments

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/14/18

Expedition: 375

Observer: Noda Mc

Site: U1518 Hole: E Core: 1 Sect.: 3A Interval: 106 cm

Sediment Name: A silty clay, nanofossil-rich

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
X				0	10	90

Select one and check.

Percent	Composition
	Major Siliciclastic Grain Types
P	Quartz
P	Feldspars
C	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
~~X~~	Volcaniclastic Grains
C	Vitric fragments
	Clear glass
	Colored glass
	Pumice
P	Volcanic lithics
	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite)

Percent	Composition
	Pelagic Grains
	Calcareous
D	Nannofossils
P	Foraminifers
~~P~~	~~Siliceous~~
	Diatom
	Radiolarian
	Sillicoflagellate
P	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

Percent	Composition
	Minor Grain Types
T	Dense minerals[1]
T	Micas (biotite, musc, chl)[1]
	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
	Pyrite (framboids)
	Pyrite (euhedra)
P	Pyrite (grain coating)
	Calcite
	Dolomite
	Zeolites
P	Fe/Mn oxide
	Other (specify):

List under remarks if possible

Fill percentage (Total must be 100).

Remarks: nannofossil-rich light colored hemipelagic mud.

* This form is not designed for shallow water (neritic) carbonate sediments

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/14/18

Expedition: 375

Observer: Noda/Ku

Site: U1518 Hole: E Core: 1 Sect.: 3A Interval: 123cm

Sediment Name: silty clay with volcaniclastics, nannofossil-rich calcareous

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
X				0	40	60

Select one and check.

Percent	Composition
	Major Siliciclastic Grain Types
C	Quartz
P	Feldspars
C	Clay minerals
P	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
C	Vitric fragments
	Clear glass
	Colored glass
	Pumice
C	Volcanic lithics
	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite)

Percent	Composition
	Pelagic Grains
	Calcareous
D	Nannofossils
P	Foraminifers
	Siliceous
	Diatom
	Radiolarian
R	Sillicoflagellate
P	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

Percent	Composition
	Minor Grain Types
R	Dense minerals[1]
R	Micas (biotite, musc, chl)[1]
P	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
R	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
	Calcite
	Dolomite
	Zeolites
R	Fe/Mn oxide
	Other (specify):

List under remarks if possible

Fill percentage (Total must be 100).

Remarks: dark colored turbidite mud, nannofossil. Opx

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 19.3.18

Expedition: 375 Observer: IRH

Site: 1518 Hole: E Core: 1 Sect.: 4 Interval: 16

Sediment Name: Ash

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
	Quartz
D	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
M	Clear glass
	Colored glass
	Pumice
	Volcanic lithics
R	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite)

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
	Nannofossils
	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
P	Dense minerals[1]
	Micas (biotite, musc, chl)[1]
	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
R	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 19.8.18

Expedition: 375 Observer: Hu

Site: 1518 Hole: E Core: 1 Sect.: 4 Interval: 78

Sediment Name: ASH/TUFF

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				30	60	10

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
R	Quartz
P	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
M	Transparent glass
	Colored glass
	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
	Pyrite
	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Minor Other Grain Types
	Phosphate (bones, teeth, etc)
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Other carbonate allochems
	Peloid
	Intraclast

Abundances like in 375 Methods-C-Table 2

T/R/P/C/A/D/M	Composition
	Minor Mineral Grain Types
	Olivine
	Pyroxene
P	Amphibole
R	Micas
	Chlorite
	Zircon
	Apatite
	Opaque Grain
	Glauconite
	Opaque Grain
	Other (specify):

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 19.3.18

Expedition: 375 Observer: IH

Site: 1518 Hole: E Core: 1 Sect.: 4 Interval: 121

Sediment Name: Ash / Tuff

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				30	50	20

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
R	Quartz
C	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Transparent glass
	Colored glass
P	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
R	Pyrite
	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
T	Nannofossils
	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Minor Other Grain Types
	Phosphate (bones, teeth, etc)
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Other carbonate allochems
	Peloid
	Intraclast

Abundances like in 375 Methods-C-Table 2

T/R/P/C/A/D/M	Composition
	Minor Mineral Grain Types
	Olivine
	Pyroxene
P	Amphibole
	Micas
	Chlorite
	Zircon
	Apatite
	Opaque Grain
	Glauconite
	Opaque Grain
	Other (specify):

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 15.3.18

Expedition: 375

Observer: Ru

Site: U1518 Hole: E Core: 7 Sect.: 6 Interval: 37

Sediment Name: Ash / Tuff

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				50	50	

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
	Quartz
P	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
M	Transparent glass
	Colored glass
T	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
R	Pyrite
	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
P	Nannofossils
	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Minor Other Grain Types
	Phosphate (bones, teeth, etc)
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Other carbonate allochems
	Peloid
	Intraclast

Abundances like in 375 Methods-C-Table 2

T/R/P/C/A/D/M	Composition
	Minor Mineral Grain Types
	Olivine
P	Pyroxene
P	Amphibole
	Micas
	Chlorite
	Zircon
	Apatite
	Opaque Grain
	Glauconite
	Opaque Grain
	Other (specify):

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/14/18

Expedition: 375 Observer: Noda/Ku

Site: U1518 Hole: E Core: 1 Sect.: 6A Interval: 62 cm

Sediment Name: silty sand with volcaniclastic

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
X				60	30	10

Select one and check.

Percent	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
	Clay minerals
	Lithic Grains
C	Sedimentary Lithics
	Chert
	Mudstone
	Siltstone/sandstone
	Limestone
	Metamorphic lithic
R	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
C	Clear glass
	Colored glass
	Pumice
	Volcanic lithics
C	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite)

Percent	Composition
	Pelagic Grains
	Calcareous
P	Nannofossils
R	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
R	Sponge Spicule
	Other bioclasts
T	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

Percent	Composition
	Minor Grain Types
P	Dense minerals[1]
P	Micas (biotite, musc, chl)[1]
R	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
R	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

List under remarks if possible

Fill percentage (Total must be 100).

Remarks: turbidite, zircon(fragments), Opx

* This form is not designed for shallow water (neritic) carbonate sediments

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/14/18

Expedition: 375

Observer: Noda/Le

Site: U1518 Hole: F Core: 1 Sect.: CC A Interval: 7 cm

Sediment Name: clayey silt. with volcanoclastics

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
X				0	70	30

Select one and check.

Percent	Composition
	Major Siliciclastic Grain Types
A	Quartz
C	Feldspars
P	Clay minerals
C	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
C	Siltstone/sandstone
	Limestone
R	Metamorphic lithic
R	Plutonic lithic
	Volcaniclastic Grains
C	Vitric fragments
	Clear glass
	Colored glass
	Pumice
P	Volcanic lithics
	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite)

Percent	Composition
	Pelagic Grains
	Calcareous
P	Nannofossils
	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
P	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

Percent	Composition
	Minor Grain Types
P	Dense minerals[1]
P	Micas (biotite, musc, chl)[1]
R	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
P	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Fill percentage (Total must be 100).

Remarks: Hornblende, 3rn

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 19.3.18

Expedition: 375 Observer: IZL

Site: U1518 Hole: E Core: 2 Sect.: 1 Interval: 120

Sediment Name: ash/Tuff

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material
Siliciclastic	Volcaniclastic	Pelagic	

Select one and check.

Percent Texture		
Sand	Silt	Clay
60	40	

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
	Quartz
R	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
M	Transparent glass
	Colored glass
	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
R	Pyrite
	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
R	Nannofossils
	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Minor Other Grain Types
	Phosphate (bones, teeth, etc)
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Other carbonate allochems
	Peloid
	Intraclast

Abundances like in 375 Methods-C-Table 2

T/R/P/C/A/D/M	Composition
	Minor Mineral Grain Types
	Olivine
R	Pyroxene
	Amphibole
	Micas
	Chlorite
T	Zircon
	Apatite
	Opaque Grain
	Glauconite
	Opaque Grain
	Other (specify):

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 19.3.18

Expedition: 375

Observer: RH

Site: 1518 Hole: E Core: 2 Sect.: 3 Interval: 24

Sediment Name: Ash / tuff

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				30	62	

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
	Quartz
P	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
T	Transparent glass
K	Colored glass
	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
	Pyrite
	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
R	Nannofossils
	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Minor Other Grain Types
	Phosphate (bones, teeth, etc)
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Other carbonate allochems
	Peloid
	Intraclast

Abundances like in 375 Methods-C-Table 2

T/R/P/C/A/D/M	Composition
	Minor Mineral Grain Types
	Olivine
R	Pyroxene
I	Amphibole
R	Micas
	Chlorite
T	Zircon
	Apatite
	Opaque Grain
	Glauconite
	Opaque Grain
	Other (specify):

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 19.3.18

Expedition: 375 Observer: IK

Site: 1518 Hole: E Core: 2 Sect.: 3 Interval: 96

Sediment Name: Ash / tuff

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				50	50	

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
P	Quartz
C	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
M	Transparent glass
	Colored glass
	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
R	Pyrite
	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
P	Nannofossils
	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Minor Other Grain Types
	Phosphate (bones, teeth, etc)
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Other carbonate allochems
	Peloid
	Intraclast

Abundances like in 375 Methods-C-Table 2

T/R/P/C/A/D/M	Composition
	Minor Mineral Grain Types
	Olivine
	Pyroxene
P	Amphibole
P	Micas
	Chlorite
	Zircon
	Apatite
	Opaque Grain
	Glauconite
	Opaque Grain
	Other (specify):

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/15/18

Expedition: 375

Observer: HSR / OLIV / Ke

Site: U1518 Hole: E Core: 2H Sect.: 3A Interval: 108 cm

Sediment Name: Sandy silt with volcanic.

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
✓			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
✓				25	50	25

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
E	Quartz
E	Feldspars
C	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
C	Clear glass
	Colored glass
	Pumice
C	Volcanic lithics
	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
R	Nannofossils
P	Foraminifers
	Siliceous
T	Diatom
	Radiolarian
	Sillicoflagellate
P	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
R	Dense minerals[1]
R	Micas (biotite, musc, chl)[1]
R	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
P	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
R	Calcite
	Dolomite
	Zeolites
P	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: Coral calcareous (R)

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 19.3.18

Expedition: 375 Observer: Ila

Site: 1518 Hole: F Core: 2 Sect.: 4 Interval: 29

Sediment Name: Ash (Tuff)

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				70	30	

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
T	Quartz
P	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
M	Transparent glass
	Colored glass
	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
	Pyrite
	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
	Nannofossils
	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Minor Other Grain Types
	Phosphate (bones, teeth, etc)
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Other carbonate allochems
	Peloid
	Intraclast

Abundances like in 375 Methods-C-Table 2

T/R/P/C/A/D/M	Composition
	Minor Mineral Grain Types
	Olivine
	Pyroxene
R	Amphibole
R	Micas
	Chlorite
	Zircon
	Apatite
	Opaque Grain
	Glauconite
	Opaque Grain
	Other (specify):

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 19.3.18

Expedition: 375 Observer: lzu

Site: 1518 Hole: E Core: 2 Sect.: 6 Interval: 110

Sediment Name: Ash / Tuff

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
					100	

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
	Quartz
P	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
T	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
M	Transparent glass
	Colored glass
	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
	Pyrite
	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
	Nannofossils
	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Minor Other Grain Types
	Phosphate (bones, teeth, etc)
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Other carbonate allochems
	Peloid
	Intraclast

Abundances like in 375 Methods-C-Table 2

T/R/P/C/A/D/M	Composition
	Minor Mineral Grain Types
	Olivine
	Pyroxene
	Amphibole
	Micas
	Chlorite
	Zircon
	Apatite
	Opaque Grain
	Glauconite
	Opaque Grain
A	Other (specify):

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/15/18

Expedition: 375 Observer: HSR | OLIV. | [illegible]

Site: U1518 Hole: E Core: 2H Sect.: 7A Interval: 59 cm

Sediment Name: sandy silt with volcanics

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
✓			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				40	40	20

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
C	Clay minerals
P	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
P	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
C	Clear glass
	Colored glass
	Pumice
	Volcanic lithics
C	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite)

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
P	Nannofossils
	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
R	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
R	Dense minerals[1]
	Micas (biotite, musc, chl)[1]
R	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
P	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
	Calcite
	Dolomite
	Zeolites
R	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: Zr (rounded); Hornblende

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 19.3.18

Expedition: 375 Observer: Pm

Site: 1518 Hole: F Core: 3 Sect.: 3 Interval: 76

Sediment Name: Ash / tuff

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material
Siliciclastic	Volcaniclastic	Pelagic	

Select one and check.

Percent Texture		
Sand	Silt	Clay
60	40	

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
	Quartz
	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
C	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
M	Transparent glass
	Colored glass
	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
	Pyrite
	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
	Nannofossils
	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Minor Other Grain Types
	Phosphate (bones, teeth, etc)
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Other carbonate allochems
	Peloid
	Intraclast

Abundances like in 375 Methods-C-Table 2

T/R/P/C/A/D/M	Composition
	Minor Mineral Grain Types
	Olivine
	Pyroxene
R	Amphibole
	Micas
	Chlorite
	Zircon
	Apatite
	Opaque Grain
	Glauconite
	Opaque Grain
	Other (specify):

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 19 3 18

Expedition: 375 Observer: VR

Site: 1518 Hole: E Core: 3 Sect.: 7 Interval: 94

Sediment Name: Ash/Mud

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				30	70	

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
R	Quartz
C	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
M/T	Transparent glass
	Colored glass
	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
R	Pyrite
	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
	Nannofossils
	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Minor Other Grain Types
	Phosphate (bones, teeth, etc)
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Other carbonate allochems
	Peloid
	Intraclast

Abundances like in 375 Methods-C-Table 2

T/R/P/C/A/D/M	Composition
	Minor Mineral Grain Types
	Olivine
R	Pyroxene
R	Amphibole
	Micas
	Chlorite
	Zircon
	Apatite
	Opaque Grain
	Glauconite
	Opaque Grain
	Other (specify):

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/15/18

Expedition: 375

Observer: CHOLI / Pu

Site: 1518 Hole: E Core: 34 Sect.: 1A Interval: 130cm

Sediment Name: tuffaceous silty sandy clay with foraminifers and radiolarians

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
V			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
V				60	30	10

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
R	Quartz
C	Feldspars
	Clay minerals
P	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
A	Clear glass
	Colored glass
	Pumice
	Volcanic lithics
C	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite)

T/R/P/C/A/D/M	Composition
	Pelagic Grains
B	Calcareous sponge spicule
P	Nannofossils
P	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
R	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
P	Dense minerals[1]
B	Micas (biotite, musc, chl)[1]
B	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
P	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
	Calcite
T	Dolomite
	Zeolites
R	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: euhedric zircon

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/15/18

Expedition: 375 Observer: OCI/Ke

Site: 1518 Hole: E Core: 37 Sect.: 2A Interval: 91

Sediment Name: clayey silt with nannofossils

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
V			

Select one and check.

Granular Sediment			Other material
Siliciclastic	Volcaniclastic	Pelagic	
		V	

Select one and check.

Percent Texture		
Sand	Silt	Clay
2	30	68

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
P	Quartz
P	Feldspars
D	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
	Clear glass
	Colored glass
	Pumice
	Volcanic lithics
	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite)

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
A	Nannofossils
	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
P	Sponge Spicule
R	**Other bioclasts**
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
	Dense minerals[1]
	Micas (biotite, musc, chl)[1]
B	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 19-5

Expedition: 375 Observer: Ida

Site: 1518 Hole: E Core: 3 Sect.: 4 Interval: 83

Sediment Name: Ash tuff

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				50	50	

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
	Quartz
	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
RC	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
M	Transparent glass
	Colored glass
R	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
	Pyrite
	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
	Nannofossils
	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Minor Other Grain Types
	Phosphate (bones, teeth, etc)
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Other carbonate allochems
	Peloid
	Intraclast

Abundances like in 375 Methods-C-Table 2

T/R/P/C/A/D/M	Composition
	Minor Mineral Grain Types
	Olivine
	Pyroxene
R	Amphibole
C	Micas
	Chlorite
	Zircon
	Apatite
	Opaque Grain
	Glauconite
	Opaque Grain
	Other (specify):

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/15/18

Expedition: 375 Observer: OLIV

Site: 1518 Hole: E Core: 34 Sect.: 5A Interval: 37

Sediment Name: Silty sand with volcaniclastic

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
V			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
V				50	40	10

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
	Clay minerals
P	**Lithic Grains**
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
T	Metamorphic lithic
T	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
C	Clear glass
	Colored glass
	Pumice
	Volcanic lithics
C	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite)

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
P	Nannofossils
P	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
D	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
P	Dense minerals[1]
	Micas (biotite, musc, chl)[1]
P	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: hornblenda, coral calcareous fragment (+)

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 19.3.18

Expedition: 375 Observer: Iizuka

Site: 1518 Hole: E Core: 3 Sect.: 6 Interval: 75

Sediment Name: ash / tuff

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material
Siliciclastic	Volcaniclastic	Pelagic	

Select one and check.

Percent Texture		
Sand	Silt	Clay
30	70	

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
P	Quartz
C	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
M	Transparent glass
	Colored glass
T	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
R	Pyrite
	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
	Nannofossils
	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Minor Other Grain Types
	Phosphate (bones, teeth, etc)
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Other carbonate allochems
	Peloid
	Intraclast

Abundances like in 375 Methods-C-Table 2

T/R/P/C/A/D/M	Composition
	Minor Mineral Grain Types
	Olivine
R	Pyroxene
R	Amphibole
P	Micas
	Chlorite
	Zircon
	Apatite
	Opaque Grain
	Glauconite
	Opaque Grain
	Other (specify):

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/15/18

Expedition: 375

Observer: Rabinowitz/Ha

Site: U1518 Hole: E Core: 3H Sect.: 7A Interval: 16 cm

Sediment Name: ~~nannofossil-rich Sand-silty clay~~ Volcaniclastic Silty Sand

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
✓			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
✓				~~30~~ 60	~~40~~ 20	~~30~~ 10

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
P A	Quartz
C	Feldspars
P	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
T	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
C	Clear glass
	Colored glass
	Pumice
	Volcanic lithics
A	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
T	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
P	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
P	Dense minerals[1]
	Micas (biotite, musc, chl)[1]
T	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
	Calcite
	Dolomite
	Zeolites
T	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: Hornblende, olivine, Zr (euhedric and fragments rounded) Apatite

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 19.3.18

Expedition: 375 Observer: IL

Site: 1518 Hole: E Core: 3 Sect.: 7 Interval: 90

Sediment Name: Ash Tuff.

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				20	80	

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
	Quartz
P	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
M	Transparent glass
	Colored glass
R	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
	Pyrite
	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
	Nannofossils
	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Minor Other Grain Types
	Phosphate (bones, teeth, etc)
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Other carbonate allochems
	Peloid
	Intraclast

Abundances like in 375 Methods-C-Table 2

T/R/P/C/A/D/M	Composition
	Minor Mineral Grain Types
	Olivine
	Pyroxene
R	Amphibole
R	Micas
	Chlorite
T	Zircon
	Apatite
	Opaque Grain
	Glauconite
	Opaque Grain
	Other (specify):

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/15/18

Expedition: 375 Observer: Rabinowitz

Site: U1518 Hole: E Core: 4H Sect.: 3A Interval: 96

Sediment Name: nannofossil-rich silty clay

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
✓			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
		✓			40	60

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
P	Feldspars
A	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
R	Clear glass
	Colored glass
	Pumice
	Volcanic lithics
P	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
~~A~~ C	Nannofossils
P	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
R	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
T	Dense minerals[1]
T	Micas (biotite, musc, chl)[1]
T	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
	Calcite
	Dolomite
	Zeolites
R	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/15/18

Expedition: 375

Observer: Rabinowitz

Site: U1518 Hole: E Core: 4H Sect.: 3A Interval: 130cm

Sediment Name: ~~Nannofossil rich~~ ~~Clayey silt~~ Sandy silt
Volcaniclastic

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
✓			

Select one and check.

Granular Sediment			Other material
Siliciclastic	Volcaniclastic	Pelagic	
~~✓~~ ✓		~~✓~~	

Select one and check.

Percent Texture		
Sand	Silt	Clay
~~10~~ 30	~~60~~ 60	~~20~~ 10

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C ~~D~~	Quartz
C	Feldspars
P	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
I	Metamorphic lithic
I	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
C	Clear glass
	Colored glass
	Pumice
	Volcanic lithics
C	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite)

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
P ~~R~~ R	Nannofossils
T	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
T ~~R~~	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
P	Dense minerals[1]
R	Micas (biotite, musc, chl)[1]
R	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
R	Calcite
	Dolomite
	Zeolites
R	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: Zv (R)

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 19.3.18

Expedition: 375 Observer: ida

Site: 1518 Hole: E Core: 6 Sect.: 1 Interval: 6

Sediment Name: ash/tuff

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				40	50	10

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
R	Quartz
D	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
M	Transparent glass
R	Colored glass
P	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
P	Pyrite
	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Minor Other Grain Types
	Phosphate (bones, teeth, etc)
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Other carbonate allochems
	Peloid
	Intraclast

Abundances like in 375 Methods-C-Table 2

T/R/P/C/A/D/M	Composition
	Minor Mineral Grain Types
	Olivine
R	Pyroxene
	Amphibole
	Micas
	Chlorite
T	Zircon
	Apatite
	Opaque Grain
	Glauconite
	Opaque Grain
	Other (specify):

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 19.3.19

Expedition: 375 Observer: Ha

Site: 1518 Hole: F Core: 5 Sect.: 1 Interval: 40

Sediment Name: ash / tuff

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				80	10	10

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
	Quartz
C	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
M	Transparent glass
	Colored glass
	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
	Pyrite
	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
	Nannofossils
	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Minor Other Grain Types
	Phosphate (bones, teeth, etc)
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Other carbonate allochems
	Peloid
	Intraclast

Abundances like in 375 Methods-C-Table 2

T/R/P/C/A/D/M	Composition
	Minor Mineral Grain Types
	Olivine
R	Pyroxene
C	Amphibole
P	Micas
	Chlorite
	Zircon
	Apatite
	Opaque Grain
	Glauconite
	Opaque Grain
	Other (specify):

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 18.3.18

Expedition: 375

Observer: RM

Site: 7518 Hole: E Core: 5 Sect.: 7 Interval: 52

Sediment Name: Ash Mud

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				80	20	~1

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
P	Quartz
C	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
M	Transparent glass
	Colored glass
	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
	Pyrite
	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
P	Nannofossils
	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Minor Other Grain Types
	Phosphate (bones, teeth, etc)
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Other carbonate allochems
	Peloid
	Intraclast

Abundances like in 375 Methods-C-Table 2

T/R/P/C/A/D/M	Composition
	Minor Mineral Grain Types
	Olivine
T	Pyroxene
P	Amphibole
P	Micas
	Chlorite
	Zircon
	Apatite
	Opaque Grain
	Glauconite
	Opaque Grain
	Other (specify):

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 18.3.18

Expedition: 375 Observer: Ru

Site: 1518 Hole: E Core: 5 Sect.: 2 Interval: 61

Sediment Name: Ash Mud

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material
Siliciclastic	Volcaniclastic	Pelagic	

Select one and check.

Percent Texture		
Sand	Silt	Clay
30	60	10

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
R	Quartz
P	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
M	Transparent glass
	Colored glass
	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
	Pyrite
	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
	Nannofossils
	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Minor Other Grain Types
	Phosphate (bones, teeth, etc)
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Other carbonate allochems
	Peloid
	Intraclast

Abundances like in 375 Methods-C-Table 2

T/R/P/C/A/D/M	Composition
	Minor Mineral Grain Types
	Olivine
	Pyroxene
R	Amphibole
P	Micas
	Chlorite
	Zircon
	Apatite
	Opaque Grain
	Glauconite
	Opaque Grain
	Other (specify):

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/16/18

Expedition: 375

Observer: Noda / Re

Site: U1518 Hole: E Core: 5H Sect.: 3A Interval: 45

Sediment Name: ~~nannofossil-rich~~ clay with diatoms

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				0	15	85

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
R	Quartz
R	Feldspars
C	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
R	Clear glass
	Colored glass
	Pumice
	Volcanic lithics
	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
A	Nannofossils
R	Foraminifers
	Siliceous
R	Diatom
	Radiolarian
	Sillicoflagellate
P	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
	Dense minerals[1]
	Micas (biotite, musc, chl)[1]
	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
R	Calcite
	Dolomite
	Zeolites
R	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 21.3.18

Expedition: 375 Observer: IZu

Site: 1518 Hole: E Core: 61H Sect.: 2 Interval: 96

Sediment Name: tuffaceous silt

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material
Siliciclastic	Volcaniclastic	Pelagic	

Select one and check.

Percent Texture		
Sand	Silt	Clay
	90	10

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
P	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
A	Transparent glass
	Colored glass
P	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
	Pyrite
	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
R	Nannofossils
R	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
R	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Minor Other Grain Types
	Phosphate (bones, teeth, etc)
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Other carbonate allochems
	Peloid
	Intraclast

Abundances like in 375 Methods-C-Table 2

T/R/P/C/A/D/M	Composition
	Minor Mineral Grain Types
	Olivine
R	Pyroxene
R	Amphibole
	Micas
	Chlorite
	Zircon
	Apatite
	Opaque Grain
	Glauconite
	Other (specify):

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/16/18

Expedition: 375 Observer: Noda

Site: 1518 Hole: E Core: 7H Sect.: 2A Interval: 72

Sediment Name: vol caniclastic Sandy silt

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Granular Sediment			Other material
Siliciclastic	Volcaniclastic	Pelagic	
X			

Select one and check.

Percent Texture		
Sand	Silt	Clay
05	65	70

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
P	Quartz
C	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
P	Clear glass
R	Colored glass
	Pumice
	Volcanic lithics
C	Felsitic
	Microlitc
	Lathwork
T	Altered volcanic(palagonite

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
P	Nannofossils
T	Foraminifers
	Siliceous
	Diatom
T	Radiolarian
	Sillicoflagellate
T	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
P	Dense minerals[1]
R	Micas (biotite, musc, chl)[1]
R	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
R	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
P	Calcite
	Dolomite
	Zeolites
R	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: Zircon ; Coral

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 21.3

Expedition: 375

Observer: IK

Site: 1518 Hole: E Core: 7 Sect.: 3 Interval: 15

Sediment Name: tuffaceous silt

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				20	70	10

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
P	Mudstone
P	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
A	Transparent glass
	Colored glass
P	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
P	Pyrite
	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
P	Nannofossils
	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Minor Other Grain Types
	Phosphate (bones, teeth, etc)
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Other carbonate allochems
	Peloid
	Intraclast

Abundances like in 375 Methods-C-Table 2

T/R/P/C/A/D/M	Composition
	Minor Mineral Grain Types
	Olivine
T	Pyroxene
	Amphibole
	Micas
	Chlorite
	Zircon
	Apatite
	Opaque Grain
	Glauconite
	Other (specify):

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/16/18

Expedition: 375 Observer: Noda/Ku

Site: U1518 Hole: E Core: 7H Sect.: 3A Interval: 83 cm

Sediment Name: n silty clay w/2 nannofossils

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				0	30	70

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
R	Quartz
P	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
T	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
C	Clear glass
	Colored glass
	Pumice
	Volcanic lithics
R	Felsitic
	Microlitc
	Lathwork
T	Altered volcanic(palagonite

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
C	Foraminifers
	Siliceous
	Diatom
T	Radiolarian
	Sillicoflagellate
C	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
R	Dense minerals[1]
P	Micas (biotite, musc, chl)[1]
T	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
R	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
R	Calcite
	Dolomite
	Zeolites
T	Fe/Mn oxide
	Other (specify):

Bv, Am N

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/16/18

Expedition: 375 Observer: Noda

Site: 1518 Hole: E Core: 9H Sect.: 2A Interval: 22 cm

Sediment Name: n: w silty clay with nannofossils

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
X				0	35	65

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
P	Quartz
C	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
	Metamorphic lithic
R	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
C	Clear glass
T	Colored glass
	Pumice
R	Volcanic lithics
	Felsitic
	Microlitc
	Lathwork
T	Altered volcanic(palagonite

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
R	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
P	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
R	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
R	Dense minerals[1]
R	Micas (biotite, musc, chl)[1]
T	Glauconite
	Phosphate (bones, teeth, etc)
T	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
T	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
R	Calcite
	Dolomite
	Zeolites
T	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/16/18

Expedition: 375 Observer: Noda

Site: 1518 Hole: E Core: 9H Sect.: 2A Interval: 107

Sediment Name: sandy silt
Volcaniclastic

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
✓			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
✓				30	60	10

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
P	Quartz
C	Feldspars
	Clay minerals
	Lithic Grains
R	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
T	Metamorphic lithic
T	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
C	Clear glass
	Colored glass
	Pumice
C	Volcanic lithics
	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
P	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
P	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
R	Dense minerals[1]
T	Micas (biotite, musc, chl)[1]
R	Glauconite
	Phosphate (bones, teeth, etc)
R	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
P	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
P	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

Amp, Px, Zr

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: Hornblende, Zr (fragments

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 2.1.3

Expedition: 375

Observer: RG

Site: 1518 Hole: E Core: 9 Sect.: 3 Interval: 8D

Sediment Name: tuffaceous silt

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				20	50	30

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
P	Quartz
D	Feldspars
C	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
A	Transparent glass
	Colored glass
C	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
P	Pyrite
	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
F	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
T	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Minor Other Grain Types
	Phosphate (bones, teeth, etc)
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Other carbonate allochems
	Peloid
	Intraclast

Abundances like in 375 Methods-C-Table 2

T/R/P/C/A/D/M	Composition
	Minor Mineral Grain Types
	Olivine
R	Pyroxene
	Amphibole
	Micas
	Chlorite
	Zircon
	Apatite
	Opaque Grain
	Glauconite
	Other (specify):

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 21.3.

Expedition: 375 Observer: RG

Site: 1518 Hole: E Core: 9 Sect.: 3 Interval: 22

Sediment Name: Ash Turff

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				70	20	10

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
P	Quartz
C	Feldspars
P	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
D	Transparent glass
	Colored glass
P	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
R	Pyrite
	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
P	Nannofossils
T	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
T	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Minor Other Grain Types
	Phosphate (bones, teeth, etc)
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Other carbonate allochems
	Peloid
	Intraclast

Abundances like in 375 Methods-C-Table 2

T/R/P/C/A/D/M	Composition
	Minor Mineral Grain Types
	Olivine
T	Pyroxene
	Amphibole
	Micas
	Chlorite
	Zircon
	Apatite
	Opaque Grain
	Glauconite
	Other (specify):

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/16/18

Expedition: 375 Observer: OLI

Site: 1518 Hole: E Core: 9H Sect.: 3A Interval: 65

Sediment Name: Silty clay with Nannofossils ~~rich~~

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
V			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				0	15	85

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
P	Quartz
P	Feldspars
D	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
R	Clear glass
I	Colored glass
	Pumice
	Volcanic lithics
R	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
	Foraminifers
	Siliceous
	Diatom
T	Radiolarian
	Sillicoflagellate
C	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
T	Dense minerals[1]
T	Micas (biotite, musc, chl)[1]
	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
P	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
P	Calcite
	Dolomite
	Zeolites
T	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: Minor Mnox silty regions on slide

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/16/18

Expedition: 375 Observer: Noda

Site: 1518 Hole: E Core: 9H Sect.: CC - A Interval: 8 cm

Sediment Name: Volcaniclastic sandy silt

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
X	△			20	70	10

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
P	Quartz
A	Feldspars
P	Clay minerals
	Lithic Grains
	Sedimentary Lithics
T	Chert
	Mudstone
C	Siltstone/sandstone
	Limestone
TT	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
C	Clear glass
	Colored glass
	Pumice
C	Volcanic lithics
C	Felsitic
	Microlitc
	Lathwork
T	Altered volcanic(palagonite

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
P	Nannofossils
P	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
R	Dense minerals[1]
R	Micas (biotite, musc, chl)[1]
R	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
P	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
P	Calcite
	Dolomite
	Zeolites
T	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: Hornblende, OPX, ~~Mica~~

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/16/18

Expedition: 375 Observer: Noda [illegible]

Site: 1518 Hole: E Core: 10H Sect.: 1A Interval: 41 cm

Sediment Name: [illegible] silty clay with nannofossils

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				10	30	60

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
P	Quartz
C	Feldspars
A	Clay minerals
P	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
T	Metamorphic lithic
R	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
C	Clear glass
R	Colored glass
	Pumice
	Volcanic lithics
P	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite)

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
P	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
P	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
T	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
P	Dense minerals[1]
P	Micas (biotite, musc, chl)[1]
P	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
R	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
C	Calcite
	Dolomite
	Zeolites
R	Fe/Mn oxide
	Other (specify):

21, PX

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: Sandy silt in parts of the slide

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/16/18

Expedition: 375 Observer: Noda

Site: 1518 Hole: E Core: 10 H Sect.: 1A Interval: 52 cm

Sediment Name: Ash Tuff

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				80	15	5

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
R	Quartz
R	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
R	Clear glass
R	Colored glass
	Pumice
	Volcanic lithics
P	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite)

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
P	Nannofossils
	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
P	Dense minerals[1]
P	Micas (biotite, musc, chl)[1]
	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
P	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: Uncrusts of the slide with siliciclastic regions

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/16/18

Expedition: 375 Observer: Noda

Site: U1518 Hole: E Core: 11F Sect.: 1A Interval: 19cm

Sediment Name: Silty sand with authigenic calcite

minor lithology

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
✓			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				50	30	20

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
A	Feldspars
P	Clay minerals
C	Lithic Grains
	Sedimentary Lithics
T	Chert
	Mudstone
C	Siltstone/sandstone
	Limestone
P	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
P	Clear glass
T	Colored glass
	Pumice
	Volcanic lithics
C	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite)

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
P	Nannofossils
P	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
R	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
R	Dense minerals[1]
P	Micas (biotite, musc, chl)[1]
P	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
P	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
A	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: Hypersthene, Hornblende

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/16/18

Expedition: 375

Observer: Rabinowitz/K

Site: U1518 Hole: E Core: 11F Sect.: 1A Interval: 118cm

Sediment Name: Nannofossil-rich silt/clay

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
✓			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
					30	70

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
P	Quartz
P	Feldspars
P	Clay minerals
P	**Lithic Grains**
	Sedimentary Lithics
	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
P	Clear glass
	Colored glass
	Pumice
	Volcanic lithics
P	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite)

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
A	Nannofossils
P	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
R	Sponge Spicule
	Other bioclasts
	Mollusk
T	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
	Dense minerals[1]
	Micas (biotite, musc, chl)[1]
R	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
P	Calcite
	Dolomite
	Zeolites
P	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: Hornblende

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/16/18

Expedition: 375 Observer: OLI

Site: 1518 Hole: E Core: 12F Sect.: 3A Interval: 25

Sediment Name: Silty fine sand nannofossils rich Volcaniclastic

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
V			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				60	30	10

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
	Clay minerals
C	Lithic Grains
	Sedimentary Lithics
	Chert
P	Mudstone
	Siltstone/sandstone
	Limestone
T	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
C	Clear glass
T	Colored glass
T	Pumice
	Volcanic lithics
C	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
R	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
T	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
D	Dense minerals[1]
T	Micas (biotite, musc, chl)[1]
D	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
P	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
C	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: Hornblende, clinopyroxen, Zr, Ap

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/16/18

Expedition: 375 Observer: OLI

Site: 1518 Hole: E Core: 12F Sect.: 2A Interval: 54

Sediment Name: silty clay with nan

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
V			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				1	20	79

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
P	Quartz
C	Feldspars
A	Clay minerals
C	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
C	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
P	Clear glass
	Colored glass
	Pumice
	Volcanic lithics
P	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite)

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
A P	Nannofossils
	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
D	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
T	Dense minerals[1]
	Micas (biotite, musc, chl)[1]
R	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
R	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
P	Calcite
	Dolomite
	Zeolites
R	Fe/Mn oxide
	Other (specify):

Zr, Amp, Px

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: Zircon; nannofossil content of the Sample to "with nannofossils"

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/16/18

Expedition: 375

Observer: OLI/Lm

Site: 1518 Hole: E Core: 13F Sect.: 4A Interval: 28

Sediment Name: Clayey silt with nannofossils ~~rich~~ clay

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
V			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				2	40	58

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
E	Quartz
E	Feldspars
A	Clay minerals
P	**Lithic Grains**
	Sedimentary Lithics
	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
T	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
F	Clear glass
F	Colored glass
	Pumice
	Volcanic lithics
P	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
R	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
C	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
R	Dense minerals[1]
R	Micas (biotite, musc, chl)[1]
R	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
R	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
R	Calcite
	Dolomite
	Zeolites
R	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/16/18

Expedition: 375 Observer: Rabinowitz/Le

Site: U1518 Hole: E Core: 14F Sect.: 2A Interval: 90 cm

Sediment Name: clayey silt with nannofossils

minor lithology

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material
Siliciclastic	Volcaniclastic	Pelagic	

Select one and check.

Percent Texture		
Sand	Silt	Clay
10	60	30

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
P	Quartz
C	Feldspars
C	Clay minerals
P	**Lithic Grains**
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
T	Metamorphic lithic
T	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
C/R	Clear glass
	Colored glass
	Pumice
	Volcanic lithics
C	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite)

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
P	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
R	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
	Dense minerals[1]
P	Micas (biotite, musc, chl)[1]
R	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
P	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
P	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/10/18

Expedition: 375

Observer: Rabinowitz/Ku

Site: U1518 Hole: E Core: 14F Sect.: 2A Interval: 97 cm

Sediment Name: Nannofossil silty clay with nannofossils

major component

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
✓			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
					30	70

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
P	Quartz
P	Feldspars
D	Clay minerals
P	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
C	Clear glass
T	Colored glass
	Pumice
	Volcanic lithics
P	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite)

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
P	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
P	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
T	Dense minerals[1]
T	Micas (biotite, musc, chl)[1]
R	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
R	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
P	Calcite
	Dolomite
	Zeolites
R	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: Star shaped fossil

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/16/18

Expedition: 375

Observer: Rabinowitz JK

Site: U1518 Hole: E Core: 15F Sect.: 1A Interval: 98cm

Sediment Name: ~~Nannofossil Rock~~ silty clay with nannofossils

major lithology

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
✓			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
					30	70

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
P	Quartz
P	Feldspars
	Clay minerals
P	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
P	Clear glass
T	Colored glass
	Pumice
	Volcanic lithics
P	Felsitic
	Microlitc
	Lathwork
R	Altered volcanic(palagonite)

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
R	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
C	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
T	Dense minerals[1]
T	Micas (biotite, musc, chl)[1]
R	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
R	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
P	Calcite
	Dolomite
	Zeolites
P	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/16/18

Expedition: 375

Observer: Rabinowitz/Li

Site: U1518 Hole: E Core: 16 Sect.: 1A Interval: 105cm

Sediment Name: M[illegible]un silty clay with nannofossils

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
✓			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
					30	~~70~~

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
P	Quartz
C	Feldspars
	Clay minerals
P	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
T	Metamorphic lithic
T	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
P	Clear glass
T	Colored glass
	Pumice
	Volcanic lithics
C	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
P	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
	Dense minerals[1]
	Micas (biotite, musc, chl)[1]
R	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
P	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
F	Calcite
F	Dolomite
	Zeolites
P	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 17/03/16

Expedition: 375 Observer: OK/EM

Site: U1518 Hole: E Core: 19 Sect.: 1A Interval: 79

Sediment Name: SILT

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				/	90	10

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
P	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
P	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
P	Clear glass
	Colored glass
	Pumice
	Volcanic lithics
C	Felsitic
	Microlitc
	Lathwork
C	Altered volcanic(palagonite

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
T	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
T	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
P	Dense minerals[1]
C	Micas (biotite, musc, chl)[1]
	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
R	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: Tr

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 17/03/18

Expedition: 375 Observer: SK/FM

Site: U1518 Hole: E Core: 19 Sect.: 1A Interval: 87

Sediment Name: ~~N~~ silty clay with fossils

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				/	30	70

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
T	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
P	Clear glass
	Colored glass
	Pumice
	Volcanic lithics
R	Felsitic
R	Microlitic
	Lathwork
	Altered volcanic(palagonite

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
R	Foraminifers
	Siliceous
T	Diatom
	Radiolarian
	Sillicoflagellate
P	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
R	Dense minerals[1]
T	Micas (biotite, musc, chl)[1]
	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
P	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
R	Calcite
	Dolomite
	Zeolites
R	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 17/03/2018

Expedition: 375 Observer: HASHI

Site: 1518 Hole: E Core: 23F Sect.: 2 Interval: 15

Sediment Name: Volcaniclastic Silty sand

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
✓			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				60	30	10

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
P	Quartz
C	Feldspars
C	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
R	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
P	Clear glass
	Colored glass
	Pumice
	Volcanic lithics
A	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
P	Nannofossils
R	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
T	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
R	Dense minerals[1]
R	Micas (biotite, musc, chl)[1]
R	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
P	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
R	Calcite
R	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

Px, Amph.

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: Fr euhedric fragment

* This form is not designed for shallow water (neritic) carbonate sediments

good for PICS

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 17/03/2018

Expedition: 375 Observer: ~~[illegible]~~ FM/lm

Site: U1518 Hole: E Core: 23 Sect.: 2 Interval: 82

Sediment Name: VOLCANICLASTIC SILT (COARSE)

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
/			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				–	90	10

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
P	Quartz
C	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
A	Siltstone/sandstone
	Limestone
R	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
R	Clear glass
	Colored glass
	Pumice
	Volcanic lithics
	Felsitic
A	Microlitc
	Lathwork
	Altered volcanic(palagonite

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
P	Nannofossils
R	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
T	Sponge Spicule
	Other bioclasts
R	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
G	Dense minerals[1]
P	Micas (biotite, musc, chl)[1]
P	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
P	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
C	Calcite
	Dolomite
	Zeolites
R	Fe/Mn oxide
	Other (specify):

Rut, Px, Zr

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/17/18

Expedition: 375 Observer: Noda/Hu

Site: 1518 Hole: E Core: 24F Sect.: 3A Interval: 76 cm

Sediment Name: Volcaniclastic Sandy silt. with nannofossils ~~nannofossil-rich~~

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				40	60	10

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
P	Feldspars
P	Clay minerals
A	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
C	Siltstone/sandstone
	Limestone
R	Metamorphic lithic
T	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
C	Clear glass
T	Colored glass
	Pumice
	Volcanic lithics
A	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
P	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
R	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
R	Dense minerals[1]
R	Micas (biotite, musc, chl)[1]
R	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
P	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
R	Calcite
	Dolomite
	Zeolites
R	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: Hornblende, Zircon, Opx

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/17/18

Expedition: 375 Observer: Noda

Site: 1518 Hole: E Core: 24F Sect.: CC-A Interval: 11 cm

Sediment Name: Volcaniclastic Clayey silt with nanofossils

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				10	60	30

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
	Clay minerals
A	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
C	Siltstone/sandstone
	Limestone
P	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
C	Clear glass
T	Colored glass
	Pumice
	Volcanic lithics
A	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
A	Nannofossils
P	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
T	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
R	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
R	Dense minerals[1]
R	Micas (biotite, musc, chl)[1]
P	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
C	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
P	Calcite
R	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

Px/Amp.

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: Hornblende

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/17/18

Expedition: 375 Observer: Noda 1/4

Site: 1518 Hole: E Core: 25F Sect.: 2A Interval: 32 cm

Sediment Name: Volcaniclastic sandy silt.

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				30	50	20

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
	Clay minerals
C	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
R	Metamorphic lithic
R	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
C	Clear glass
T	Colored glass
	Pumice
	Volcanic lithics
C	~~Felsitic~~
	~~Microlitic~~
	~~Lathwork~~
	Altered volcanic(palagonite

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
P	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
T	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
T	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
T	Dense minerals[1]
P	Micas (biotite, musc, chl)[1]
	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
T	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
R	Calcite
	Dolomite
	Zeolites
T	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: Rounded - subrounded grains

~~Biotite~~, Zircon (euhedral), Hornblende.

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/17/18

Expedition: 375 Observer: QL

Site: 1518 Hole: E Core: 26X Sect.: 3A Interval: 114

Sediment Name: volcaniclastic Silt

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
V			

Select one and check.

Granular Sediment			Other material
Siliciclastic	Volcaniclastic	Pelagic	

Select one and check.

Percent Texture		
Sand	Silt	Clay
10	80	10

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
A C	Quartz
A	Feldspars
	Clay minerals
C	Lithic Grains
	Sedimentary Lithics
T	Chert
	Mudstone
C	Siltstone/sandstone
	Limestone
P	Metamorphic lithic
P I	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
P	Clear glass
P R	Colored glass
	Pumice
	Volcanic lithics
A	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite

T/R/P/C/A/D/M	Composition
	Pelagic Grains
C	Calcareous
C	Nannofossils
R	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
R	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
R	Dense minerals[1]
R	Micas (biotite, musc, chl)[1]
P	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
R	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
P	Calcite
	Dolomite
	Zeolites
R	Fe/Mn oxide
	Other (specify):

Amph, Px, Zr

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: zircon euhedric, chlorite

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/17/18

Expedition: 375 Observer: Noda/Lu

Site: 1518 Hole: E Core: 26X Sect.: 4A Interval: 64 cm

Sediment Name: silty clay with nannofossils

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
					30	70

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
P	Quartz
P	Feldspars
D	Clay minerals
	Lithic Grains
R	Sedimentary Lithics
	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
P	Clear glass
T	Colored glass
	Pumice
	Volcanic lithics
R	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
A	Nannofossils
P	Foraminifers
	Siliceous
R	Diatom
	Radiolarian
	Sillicoflagellate
P	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
R	Dense minerals[1]
	Micas (biotite, musc, chl)[1]
R	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
R	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
P	Calcite
	Dolomite
	Zeolites
R	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/17/18

Expedition: 375 Observer: Noda Ikn

Site: 1518 Hole: E Core: 26X Sect.: 5A Interval: 48cm

Sediment Name: volcaniclastic silt

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				0	80	20

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
A	Feldspars
	Clay minerals
C	**Lithic Grains**
	Sedimentary Lithics
	Chert
	Mudstone
C	Siltstone/sandstone
	Limestone
P	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
P	Clear glass
R	Colored glass
	Pumice
	Volcanic lithics
C	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
R	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
R	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
R	Dense minerals[1]
	Micas (biotite, musc, chl)[1]
R	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
P	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
P	Calcite
	Dolomite
	Zeolites
P	Fe/Mn oxide
	Other (specify):

PX, Z

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/17/18

Expedition: 375 Observer: Nodalen

Site: 1518 Hole: E Core: 26X Sect.: 6A Interval: 63cm

Sediment Name: Volcaniclastic (clayey) silt

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				10	60	30

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
T	Chert
	Mudstone
C	Siltstone/sandstone
	Limestone
R	Metamorphic lithic
T	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
C	Clear glass
T	Colored glass
	Pumice
	Volcanic lithics
C	Felsitic
	Microlitc
	Lathwork
T	Altered volcanic(palagonite

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
P	Nannofossils
P	Foraminifers
	Siliceous
R	Diatom
	Radiolarian
	Sillicoflagellate
R	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
R	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
P	Dense minerals[1]
R	Micas (biotite, musc, chl)[1]
R	Glauconite
	Phosphate (bones, teeth, etc)
R	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
P	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
R	Calcite
	Dolomite
	Zeolites
T	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: Some more clayey area on slide with less volc.

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/17/18

Expedition: 375 Observer: OLIV

Site: 1518 Hole: E Core: 26X Sect.: 6A Interval: 67

Sediment Name: volcaniclastic Sandy silt

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
V			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
V				35	50	15

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
A	Feldspars
B	Clay minerals
C	**Lithic Grains**
	Sedimentary Lithics
	Chert
	Mudstone
C	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
P	Clear glass
T	Colored glass
	Pumice
	Volcanic lithics
C	Felsitic
	Microlitc
	Lathwork
R	Altered volcanic(palagonite

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
P	Nannofossils
P	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
P	Dense minerals[1]
R	Micas (biotite, musc, chl)[1]
P	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
	Calcite
	Dolomite
	Zeolites
T	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/17/18

Expedition: 375 Observer: OLI MA

Site: 1518 Hole: E Core: 27X Sect.: 3A Interval: 81

Sediment Name: Silty clay

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
V			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				/	45	55

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
A	Quartz
A	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
C	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
P	Clear glass
	Colored glass
	Pumice
	Volcanic lithics
P	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite)

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
P	Nannofossils
R	Foraminifers
	Siliceous
	Diatom
P	Radiolarian
	Sillicoflagellate
P	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
R	Dense minerals[1]
R	Micas (biotite, musc, chl)[1]
T	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
R	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
	Calcite
T	Dolomite
	Zeolites
P	Fe/Mn oxide
	Other (specify):

ax

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

nice for Haynin pics

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/17/18

Expedition: 375 Observer: OLI/SLC

Site: 1518 Hole: E Core: 27X Sect.: 5A Interval: 55

Sediment Name: Volcaniclastic sandy silt

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
V			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				30	60	10

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
C	Siltstone/sandstone
	Limestone
P	Metamorphic lithic
T	Plutonic lithic
	Volcaniclastic Grains
C	Vitric fragments
P	Clear glass
	Colored glass
	Pumice
	Volcanic lithics
C	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
	Foraminifers
	Siliceous
T	Diatom
P	Radiolarian
	Sillicoflagellate
P	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
C	Dense minerals[1]
	Micas (biotite, musc, chl)[1]
T	Glauconite
	Phosphate (bones, teeth, etc)
P	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
P	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
C	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

Opx, Bnd,

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: zircon many Opx

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/17/18

Expedition: 375 Observer: OLI

Site: 1518 Hole: E Core: 27X Sect.: 4A Interval: 80

Sediment Name: ~~Clay~~ Silty clay with nannofossils

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
V			

Select one and check.

Granular Sediment			Other material
Siliciclastic	Volcaniclastic	Pelagic	

Select one and check.

Percent Texture		
Sand	Silt	Clay
	30	70

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
A	Clay minerals
	Lithic Grains
	Sedimentary Lithics
T	Chert
P	Mudstone
P	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
R	Clear glass
	Colored glass
	Pumice
P	**Volcanic lithics**
P	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite)

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
A	Nannofossils
R	Foraminifers
	Siliceous
I	Diatom
R	Radiolarian
	Sillicoflagellate
R	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
T	Dense minerals[1]
R	Micas (biotite, musc, chl)[1]
T	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
R	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
R	Calcite
	Dolomite
	Zeolites
P	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: hornblende / recrystallized carnos?

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/17/18

Expedition: 375 Observer: Rasinowitz/lh

Site: U1518 Hole: E Core: 28X Sect.: 2A Interval: 81

Sediment Name: Volcaniclastic Sandy Silt
minor

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
✓			

Select one and check.

Granular Sediment			Other material
Siliciclastic	Volcaniclastic	Pelagic	

Select one and check.

Percent Texture		
Sand	Silt	Clay
40	50	12

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
P	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
C	Siltstone/sandstone
	Limestone
P	Metamorphic lithic
P	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
P	Clear glass
R	Colored glass
	Pumice
	Volcanic lithics
A	Felsitic
	Microlitc
	Lathwork
R	Altered volcanic(palagonite)

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
P	Nannofossils
R	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
R	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
P	Dense minerals[1]
R	Micas (biotite, musc, chl)[1]
R	Glauconite
	Phosphate (bones, teeth, etc)
P	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
R	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
P	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: Chlorite, hornblende, OHX, parts of slide are more silty and have less volcaniclastics

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/17/18

Expedition: 375 Observer: Rabinowitz

Site: U1518 Hole: E Core: 28X Sect.: 2A Interval: 91cm

Sediment Name: major silty clay with nannofossils

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
✓			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				—	30	70

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
C	Clay minerals
P	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
P	Clear glass
	Colored glass
	Pumice
	Volcanic lithics
P	Felsitic
	Microlitc
	Lathwork
T	Altered volcanic(palagonite)

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
~~P~~	Nannofossils
P	Foraminifers
	Siliceous
~~T~~	Diatom
	Radiolarian
	Sillicoflagellate
P	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
R	Dense minerals[1]
T	Micas (biotite, musc, chl)[1]
T	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
P	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
P	Calcite
	Dolomite
	Zeolites
R	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: Chlorite

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/17/18

Expedition: 375

Observer: Noda / OLI / KL

Site: U1518 Hole: E Core: 28X Sect.: 5A Interval: 45 cm

Sediment Name: silty clay

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				1	30	69

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
C	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
R	Metamorphic lithic
R	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
P	Clear glass
	Colored glass
	Pumice
	Volcanic lithics
C	Felsitic
	Microlitc
	Lathwork
T	Altered volcanic(palagonite)

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
P	Nannofossils
P	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
P	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
C	Dense minerals[1]
	Micas (biotite, musc, chl)[1]
R	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
C	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
	Calcite
	Dolomite
	Zeolites
R	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: magnetite, Hornblende
Pyrite (silt-clay size)

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/18/18

Expedition: 375 Observer: OLI/LA

Site: 1518 Hole: E Core: 28X Sect.: 7A Interval: 47

Sediment Name: volcaniclastic clayey silt

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
V			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
					70	30

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
P	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
C	Siltstone/sandstone
	Limestone
R	Metamorphic lithic
T	Plutonic lithic
C	**Volcaniclastic Grains**
	Vitric fragments
P	Clear glass
R	Colored glass
	Pumice
	Volcanic lithics
A	Felsitic
	Microlitc
	Lathwork
T	Altered volcanic(palagonite)

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
P	Nannofossils
	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
P	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
R	Dense minerals[1]
	Micas (biotite, musc, chl)[1]
R	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
R	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
P	Calcite
	Dolomite
	Zeolites
D	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: zircon, apatite, Amph, Px

* This form is not designed for shallow water (neritic) carbonate sediments

bad for clinopyrs

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/18/18

Expedition: 375 Observer: OLIV fm

Site: 1518 Hole: E Core: 29X Sect.: 1A Interval: 127

Sediment Name: volcaniclastic rich silty sand

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
V			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				60	30	10

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
P	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
C	Siltstone/sandstone
	Limestone
R	Metamorphic lithic
R	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
C	Clear glass
	Colored glass
	Pumice
	Volcanic lithics
A	Felsitic
	Microlitc
	Lathwork
T	Altered volcanic(palagonite)

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
Fr	Foraminifers
	Siliceous
	Diatom
T	Radiolarian
	Sillicoflagellate
Sp	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
D	Dense minerals[1]
D	Micas (biotite, musc, chl)[1]
R	Glauconite
	Phosphate (bones, teeth, etc)
R	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
P	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
P	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 1/18/18

Expedition: 375 Observer: OLIVIA

Site: 1518 Hole: E Core: 29X Sect.: 6X Interval: 6

Sediment Name: silty clay with nannofossils ~~foram~~

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
√			

Select one and check.

Granular Sediment			Other material
Siliciclastic	Volcaniclastic	Pelagic	

Select one and check.

Percent Texture		
Sand	Silt	Clay
5	40	55

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
T	Chert
	Mudstone
C	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
P	Clear glass
	Colored glass
	Pumice
	Volcanic lithics
C	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite)

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
F	Foraminifers
	Siliceous
	Diatom
R	Radiolarian
	Sillicoflagellate
P	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
R	Dense minerals[1]
	Micas (biotite, musc, chl)[1]
R	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
C	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
R	Calcite
	Dolomite
	Zeolites
T	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: zircon

* This form is not designed for shallow water (neritic) carbonate sediments

Nice for mics

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/18/18

Expedition: 375 Observer: OLI KL

Site: 1518 Hole: E Core: 30X Sect.: 1A Interval: 40

Sediment Name: Volcaniclastic Sandy silt, with ~~volcaniclastic~~

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
V			

Select one and check.

Granular Sediment			Other material
Siliciclastic	Volcaniclastic	Pelagic	

Select one and check.

Percent Texture		
Sand	Silt	Clay
25	70	5

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
	Clay minerals
P	Lithic Grains
	Sedimentary Lithics
T	Chert
	Mudstone
C	Siltstone/sandstone
	Limestone
T	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
C	Clear glass
R	Colored glass
	Pumice
	Volcanic lithics
C	Felsitic
	Microlitc
	Lathwork
R	Altered volcanic(palagonite)

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
P	Nannofossils
	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
P	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
P	Dense minerals[1]
P	Micas (biotite, musc, chl)[1]
R	Glauconite
	Phosphate (bones, teeth, etc)
T	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
T	Calcite
T	Dolomite
	Zeolites
P	Fe/Mn oxide
	Other (specify):

Zr

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: zircon, hornblende, chlorite

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/18/18

Expedition: 375 Observer: OLIV/Lm

Site: 1518 Hole: E Core: 31X Sect.: 2A Interval: 51

Sediment Name: Clay with nannofossils

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
V			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
					10	90

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
	Quartz
P	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
P	Mudstone
	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
P	Clear glass
	Colored glass
	Pumice
	Volcanic lithics
P	Felsitic
	Microlitc
	Lathwork
T	Altered volcanic(palagonite)

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
R	Foraminifers
	Siliceous
R	Diatom
	Radiolarian
	Sillicoflagellate
P	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
T	Dense minerals[1]
T	Micas (biotite, musc, chl)[1]
R	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
P	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
R	Calcite
	Dolomite
	Zeolites
P	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks:

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/18/18

Expedition: 375 Observer: OLIV/Km

Site: 1518 Hole: E Core: 31X Sect.: 3A Interval: 14

Sediment Name: Sandy silt with volcanic ash

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
V			

Select one and check.

Granular Sediment			Other material
Siliciclastic	Volcaniclastic	Pelagic	

Select one and check.

Percent Texture		
Sand	Silt	Clay
30	65	5

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
A	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
C	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
C	**Volcaniclastic Grains**
	Vitric fragments
P	Clear glass
R	Colored glass
	Pumice
	Volcanic lithics
C	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite)

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
P	Nannofossils
P	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
P	Dense minerals[1]
R	Micas (biotite, musc, chl)[1]
R	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
R	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
	Calcite
	Dolomite
	Zeolites
P	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: zircon / amph, px

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/18/18

Expedition: 375 Observer: OLI/Ca

Site: 1518 Hole: E Core: 32X Sect.: 1A Interval: 26

Sediment Name: Sandy silt. with volcaniclastic grains

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
V			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				30	60	10

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
	Clay minerals
P	**Lithic Grains**
	Sedimentary Lithics
	Chert
	Mudstone
C	Siltstone/sandstone
	Limestone
T	Metamorphic lithic
T	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
P	Clear glass
	Colored glass
	Pumice
	Volcanic lithics
C	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite)

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
P	Nannofossils
P	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
T	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
D	Dense minerals[1]
D?	Micas (biotite, musc, chl)[1]
	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
P	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
D	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: hornblende, Zr

* This form is not designed for shallow water (neritic) carbonate sediments

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3/18/18

Expedition: 375 Observer: OLI/KL

Site: 1518 Hole: E Core: 32X Sect.: 2A Interval: 16

Sediment Name: Silty Clay w/ fn nannofossils ~~ooze~~

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
V			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				10	40	50

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
P	Quartz
C	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
P	Mudstone
	Siltstone/sandstone
	Limestone
T	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
	Vitric fragments
P	Clear glass
R	Colored glass
	Pumice
	Volcanic lithics
C	Felsitic
	Microlitc
	Lathwork
	Altered volcanic(palagonite)

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
P	Foraminifers
R	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
T	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Other carbonate allochems
	Peloid
	Intraclast
	Silt or sand-size carbonate allochem fragment (unspecified)
	Carbonate mud (apart from nannos)

T/R/P/C/A/D/M	Composition
	Minor Grain Types
R	Dense minerals[1]
T	Micas (biotite, musc, chl)[1]
P	Glauconite
	Phosphate (bones, teeth, etc)
	Opaque Grain
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Authigenic components
P	Pyrite (framboids)
	Pyrite (euhedra)
	Pyrite (grain coating)
D	Calcite
	Dolomite
	Zeolites
P	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: hornblende, nx

* This form is not designed for shallow water (neritic) carbonate sediments