

Sediment Smear Slide / Tephra Description

Date: 24.4.78

Expedition: 375

Observer: Ku

Site: V1599

Hole: C Core: 14

Sect.: 2

Interval: 50

T/R/P/C/A/D/M	Vitric Components
	Color
<u>N</u>	Glass (pyroclasts)
<u>R</u>	Glass (pyroclasts), brown or colored
T/R/P/C/A/D/M	Shape
<u>C</u>	Blocky
<u>A</u>	Cusped
<u>A</u>	Pumiceous
T/R/P/C/A/D/M	Vesicle Content/Shape
<u>C</u>	Non-vesicular
<u>T</u>	Round
<u>R</u>	Elliptical
<u>C</u>	Elongate
<u>A</u>	Tubular
T/R/P/C/A/D/M	Crystalline Lithic
<u>T</u>	Volcanic lithic abundance (name)

T/R/P/C/A/D/M	Crystal components
<u>T</u>	Pyroxene
<u>T</u>	Amphibole
	Biotite
	Zircon
	Quartz
<u>P</u>	Feldspar
	Opaque
<u>T Allanite</u>	Other*
T/R/P/C/A/D/M	Admixed components
<u>T</u>	Lithic Fragment
	Clay minerals
<u>R</u>	Fossil debris
	Calcite
<u>P Pyrite</u>	Authigenic mineral*

Comments:

+ chlorite (T)

Remarks: _____

Sediment Smear Slide / Tephra Description

Date: 244
 Observer: MS
 Interval: 69

Expedition: 375
 Site: 1510

Hole: C Core: 75R

Sect.: 1

T/R/P/C/A/D/M	Vitric Components
	Color
<u>M</u>	Glass (pyroclasts)
<u>T</u>	Glass (pyroclasts), brown or colored
T/R/P/C/A/D/M	Shape
<u>A</u>	Blocky
<u>A</u>	Cuspate
<u>C</u>	Pumiceous
T/R/P/C/A/D/M	Vesicle Content/Shape
<u>D</u>	Non-vesicular
<u>R</u>	Round
<u>C</u>	Elliptical
<u>C</u>	Elongate
<u>P</u>	Tubular
T/R/P/C/A/D/M	Crystalline Lithic
<u>T</u>	Volcanic lithic abundance (name)

T/R/P/C/A/D/M	Crystal components
<u>T</u>	Pyroxene
<u>T</u>	Amphibole
	Biotite
	Zircon
	Quartz
<u>P</u>	Feldspar
<u>P</u>	Opaque
<u>T blancowite</u>	Other*
T/R/P/C/A/D/M	Admixed components
<u>T</u>	Lithic Fragment
	Clay minerals
<u>R</u>	Fossil debris
	Calcite
	Authigenic mineral*

Comments:

Remarks: _____

Sediment Smear Slide / Tephra Description

Date: 20.4.98

Expedition: 375

Observer: Ru

Site: 07519

Hole: C Core: 95R

Sect.: 4

Interval: 11

T/R/P/C/A/D/M	Vitric Components
	Color
M	Glass (pyroclasts)
	Glass (pyroclasts), brown or colored
T/R/P/C/A/D/M	Shape
D	Blocky
A	Cuspate
P	Pumiceous
T/R/P/C/A/D/M	Vesicle Content/Shape
D	Non-vesicular
T	Round
C	Elliptical
C	Elongate
P	Tubular
T/R/P/C/A/D/M	Crystalline Lithic
R	Volcanic lithic abundance (name)

T/R/P/C/A/D/M	Crystal components
	Pyroxene
T	Amphibole
T	Biotite
	Zircon
T	Quartz
R	Feldspar
	Opaque
T glauconite	Other*
T/R/P/C/A/D/M	Admixed components
R	Lithic Fragment
T	Clay minerals
P	Fossil debris
R	Calcite
P Pyrite	Authigenic mineral*

Comments:
T = colority

Remarks: _____

Sediment Smear Slide / Tephra Description

Date: 24.4.19

Expedition: 375

Observer: Ma

Site: 1599

Hole: C Core: 15R

Sect.: 5

Interval: 20

T/R/P/C/A/D/M	Vitric Components
	Color
M	Glass (pyroclasts)
T	Glass (pyroclasts), brown or colored
T/R/P/C/A/D/M	Shape
A	Blocky
D	Cusate
C	Pumiceous
T/R/P/C/A/D/M	Vesicle Content/Shape
D	Non-vesicular
T	Round
R	Elliptical
C	Elongate
C	Tubular
T/R/P/C/A/D/M	Crystalline Lithic
R	Volcanic lithic abundance (name)

T/R/P/C/A/D/M	Crystal components
T	Pyroxene
	Amphibole
T	Biotite
	Zircon
	Quartz
P	Feldspar
	Opaque
T glassinite	Other*
T/R/P/C/A/D/M	Admixed components
P	Lithic Fragment
	Clay minerals
P	Fossil debris
P	Calcite
	Authigenic mineral*

Comments:

Remarks:

Sediment Smear Slide / Tephra Description

Date: 24.4.18

Expedition: 375

Observer: 161

Site: 1574

Hole: C Core: 06 R

Sect.: 1

Interval: 145

T/R/P/C/A/D/M	Vitric Components
	Color
<u>M</u>	Glass (pyroclasts)
<u>R</u>	Glass (pyroclasts), brown or colored
T/R/P/C/A/D/M	Shape
<u>A</u>	Blocky
<u>A</u>	Cusped
<u>C</u>	Pumiceous
T/R/P/C/A/D/M	Vesicle Content/Shape
<u>D</u>	Non-vesicular
<u>P</u>	Round
<u>P</u>	Elliptical
<u>C</u>	Elongate
<u>C</u>	Tubular
T/R/P/C/A/D/M	Crystalline Lithic
<u>R</u>	Volcanic lithic abundance (name)

T/R/P/C/A/D/M	Crystal components
<u>T</u>	Pyroxene
	Amphibole
	Biotite
	Zircon
<u>T</u>	Quartz
<u>R</u>	Feldspar
<u>R</u>	Opaque
	Other*
T/R/P/C/A/D/M	Admixed components
	Lithic Fragment
<u>C</u>	Clay minerals
<u>P</u>	Fossil debris
<u>R</u>	Calcite
<u>R Pyrite</u>	Authigenic mineral*

Comments:

Remarks: _____

Sediment Smear Slide / Tephra Description

Date: 24.6.12
 Observer: Ru
 Interval: 69

Expedition: 375

Site: 1579

Hole: C Core: 16R

Sect.: 4

T/R/P/C/A/D/M	Vitric Components
	Color
<u>M</u>	Glass (pyroclasts)
<u>R</u>	Glass (pyroclasts), brown or colored
T/R/P/C/A/D/M	Shape
<u>A</u>	Blocky
<u>D</u>	Cuspate
<u>P</u>	Pumiceous
T/R/P/C/A/D/M	Vesicle Content/Shape
<u>D</u>	Non-vesicular
<u>R</u>	Round
<u>C</u>	Elliptical
<u>C</u>	Elongate
<u>P</u>	Tubular
T/R/P/C/A/D/M	Crystalline Lithic
<u>T</u>	Volcanic lithic abundance (name)

T/R/P/C/A/D/M	Crystal components
<u>T</u>	Pyroxene
	Amphibole
	Biotite
	Zircon
<u>T</u>	Quartz
<u>R</u>	Feldspar
<u>T</u>	Opaque
<u>T Glassinite</u>	Other*
T/R/P/C/A/D/M	Admixed components
<u>P</u>	Lithic Fragment
<u>T</u>	Clay minerals
<u>R</u>	Fossil debris
	Calcite
	Authigenic mineral*

Comments:

Remarks: _____

Sediment Smear Slide / Tephra Description

Date: 24.4.18

Expedition: 375

Observer: Pa

Site: 1579

Hole: C Core: 16R

Sect.: 5

Interval: 772

T/R/P/C/A/D/M	Vitric Components
	Color
M	Glass (pyroclasts)
	Glass (pyroclasts), brown or colored
T/R/P/C/A/D/M	Shape
D	Blocky
A	Cusate
P	Pumiceous
T/R/P/C/A/D/M	Vesicle Content/Shape
D	Non-vesicular
R	Round
C	Elliptical
C	Elongate
TR	Tubular
T/R/P/C/A/D/M	Crystalline Lithic
T	Volcanic lithic abundance (name)

T/R/P/C/A/D/M	Crystal components
T	Pyroxene
	Amphibole
	Biotite
	Zircon
T	Quartz
P	Feldspar
	Opaque
R Glauconite	Other*
T/R/P/C/A/D/M	Admixed components
P	Lithic Fragment
R	Clay minerals
R	Fossil debris
	Calcite
P Pyrite	Authigenic mineral*

Comments:
Chlorite = T

Remarks:

Sediment Smear Slide / Tephra Description

Date: 24.4.10

Expedition: 375

Observer: Nu

Site: 7574

Hole: C Core: 77 R

Sect.: 1

Interval: 70

T/R/P/C/A/D/M	Vitric Components
	Color
A	Glass (pyroclasts)
P	Glass (pyroclasts), brown or colored
T/R/P/C/A/D/M	Shape
D	Blocky
A	Cusped
C	Pumiceous
T/R/P/C/A/D/M	Vesicle Content/Shape
D	Non-vesicular
P	Round
P	Elliptical
C	Elongate
R	Tubular
T/R/P/C/A/D/M	Crystalline Lithic
P	Volcanic lithic abundance (name)

T/R/P/C/A/D/M	Crystal components
T	Pyroxene
T	Amphibole
	Biotite
	Zircon
P	Quartz
C	Feldspar
R	Opaque
T glaucophane	Other*
T/R/P/C/A/D/M	Admixed components
C	Lithic Fragment
C	Clay minerals
C	Fossil debris
R	Calcite
	Authigenic mineral*

Comments:
Tephra 1 water = R

Remarks:

Sediment Smear Slide / Tephra Description

Date: 24.4.18

Expedition: 375

Observer: Pu

Site: 1579

Hole: C Core: 18

Sect.: 7

Interval: 83

T/R/P/C/A/D/M	Vitric Components
	Color
<u>M</u>	Glass (pyroclasts)
<u>T</u>	Glass (pyroclasts), brown or colored
T/R/P/C/A/D/M	Shape
<u>A</u>	Blocky
<u>D</u>	Cusped
<u>P</u>	Pumiceous
T/R/P/C/A/D/M	Vesicle Content/Shape
<u>D</u>	Non-vesicular
<u>P</u>	Round
<u>P</u>	Elliptical
<u>C</u>	Elongate
<u>P</u>	Tubular
T/R/P/C/A/D/M	Crystalline Lithic
	Volcanic lithic abundance (name)

T/R/P/C/A/D/M	Crystal components
<u>T</u>	Pyroxene
<u>T</u>	Amphibole
<u>T</u>	Biotite
	Zircon
<u>T</u>	Quartz
<u>P</u>	Feldspar
<u>T</u>	Opaque
<u>T</u> <u>66</u> <u>con</u> <u>ite</u>	Other*
T/R/P/C/A/D/M	Admixed components
<u>R</u>	Lithic Fragment
<u>G</u>	Clay minerals
<u>P</u>	Fossil debris
	Calcite
<u>R</u> <u>Pyrite</u>	Authigenic mineral*

Comments:

Remarks:

Sediment Smear Slide / Tephra Description

Date: 24.4.18

Expedition: 375

Observer: Ru

Site: 1519

Hole: C Core: 19R

Sect.: 6

Interval: 76

T/R/P/C/A/D/M	Vitric Components
	Color
<u>M</u>	Glass (pyroclasts)
<u>T</u>	Glass (pyroclasts), brown or colored
T/R/P/C/A/D/M	Shape
<u>A</u>	Blocky
<u>D</u>	Cuspate
<u>C</u>	Pumiceous
T/R/P/C/A/D/M	Vesicle Content/Shape
<u>D</u>	Non-vesicular
<u>R</u>	Round
<u>C</u>	Elliptical
<u>A</u>	Elongate
<u>C</u>	Tubular
T/R/P/C/A/D/M	Crystalline Lithic
	Volcanic lithic abundance (name)

T/R/P/C/A/D/M	Crystal components
<u>T</u>	Pyroxene
	Amphibole
<u>R</u>	Biotite
	Zircon
	Quartz
<u>P</u>	Feldspar
<u>R</u>	Opaque
	Other*
T/R/P/C/A/D/M	Admixed components
	Lithic Fragment
<u>T</u>	Clay minerals
<u>P</u>	Fossil debris
	Calcite
<u>R Pgn 7</u>	Authigenic mineral*

Comments:

Remarks: _____

Sediment Smear Slide / Tephra Description

Date: 24.4.18

Expedition: 375

Observer: lu

Site: V1579

Hole: C Core: 23

Sect.: 2

Interval: 78

T/R/P/C/A/D/M	Vitric Components
	Color
<u>M</u>	Glass (pyroclasts)
<u>R</u>	Glass (pyroclasts), brown or colored
T/R/P/C/A/D/M	Shape
<u>D</u>	Blocky
<u>A</u>	Cusped
<u>C</u>	Pumiceous
T/R/P/C/A/D/M	Vesicle Content/Shape
<u>D</u>	Non-vesicular
<u>C</u>	Round
<u>C</u>	Elliptical
<u>C</u>	Elongate
<u>P</u>	Tubular
T/R/P/C/A/D/M	Crystalline Lithic
<u>T</u>	Volcanic lithic abundance (name)

T/R/P/C/A/D/M	Crystal components
<u>R</u>	Pyroxene
<u>T</u>	Amphibole
	Biotite
	Zircon
<u>T</u>	Quartz
<u>C</u>	Feldspar
<u>T</u>	Opaque
<u>T blank</u>	Other*
T/R/P/C/A/D/M	Admixed components
<u>R</u>	Lithic Fragment
	Clay minerals
<u>P</u>	Fossil debris
<u>T</u>	Calcite
<u>R</u>	Authigenic mineral*

Comments:
Chlorite = T

Remarks: _____