

The PDF filenames presented in the VOLUME/CORES/PHOTOMIC directory have been modified to conform to the 8.3 filenames convention. A thin section overview image is named according to the thin section it represents (e.g. the PDF file for the overview image of Thin Section #10 is named TS10.PDF). A photomicrograph (thin section close up image) is named according to the thin section from which it was taken and the close up image letter assigned to it (e.g., the PDF file for close up image 57-A is TS57A.PDF).

Leg 205 Digital Photomicrograph Log

TS overview	Image#	Unit	Core	Section	Interval (cm)	Light	Filter	Magnification	Feature
	(TS # - Close up #)								
205-1253A-7R1 TS10	10-A	4A	7R	1	130-133	PPL	Blue	20x	Complete replacement of primary mineral by clays.
205-1253A-7R1 TS10	10-B	4A	7R	1	130-133	XPL	Blue	20x	Complete replacement of primary mineral by clays.
205-1253A-7R2 TS12	12-A	4A	7R	2	91-93	PPL	Blue	20x	Replaced olivine within vein
205-1253A-8R1 TS13	13-A	4A	8R	1	24-27	PPL	Blue	20x	Altered clinopyroxene
205-1253A-8R1 TS13	13-B	4A	8R	1	24-27	PPL	Blue/light gray	20x	Ilmenite and palagonite clay
205-1253A-8R1 TS13	13-C	4A	8R	1	24-27	PPL	Blue	40x	Replaced olivine by clay
205-1253A-8R1 TS13	13-D	4A	8R	1	24-27	PPL	Blue/light gray	5x	Replaced olivine and ilmenite
205-1253A-8R1 TS13	13-E	4A	8R	1	24-27	PPL	Blue	20x	Replacement of a primary mineral by glass and palagonite.
205-1253A-8R1 TS13	13-F	4A	8R	1	24-27	XPL	Blue	5x	Partly replaced olivine
205-1253A-8R1 TS13	13-G	4A	8R	1	24-27	XPL	Blue	5x	Microcrystalline gabbro
205-1253A-8R1 TS15	15-A	4A	8R	1	85-88	XPL	Blue	20x	Melt inclusions (altered glass ?)
205-1253A-8R1 TS17	17-A	4A	8R	2	52-55	XPL	Blue	5x	Melt inclusions within plagioclase
205-1253A-13R1 TS23	23-A	4B	13R	1	35-37	XPL	Blue	5x	Completely replaced primary mineral (olivine ?)
205-1253A-13R1 TS23	23-B	4B	13R	1	35-37	PPL	Blue/light gray	5x	Completely replaced primary mineral (olivine ?)
205-1253A-13R1 TS23	23-C	4B	13R	1	35-37	XPL	Blue	5x	Cryptocrystalline basalt/gabbro
205-1253A-12R1 TS24	24-A	4B	12R	1	28-31	PPL	Blue	20X	Full replacement of olivine by clay
205-1253A-16R3 TS25	25-A	4B	16R	3	1-4	XPL	Blue	20x	Intergrowing of plagioclase and clinopyroxene near a magmatic contact
205-1253A-17R2 TS26	26-A	4B	17R	2	2-4	XPL	Blue	5x	Gabbro groundmass near a basaltic vein
205-1253A-17R2 TS26	26-B	4B	17R	2	2-4	PPL	Blue/light gray	5x	Gabbro groundmass near a basaltic vein
205-1253A-17R2 TS26	26-C	4B	17R	2	2-4	XPL	Blue	5x	Basaltic vein in contact with gabbro
205-1253A-17R2 TS26	26-D	4B	17R	2	2-4	XPL	Blue	20x	Basaltic vein
205-1253A-17R2 TS26	26-E	4B	17R	2	2-4	PPL	Blue	5x	Ilmenite
205-1253A-17R2 TS26	26-F	4B	17R	2	2-4	PPL	Blue/light gray	5x	Glass filling the shape of an altered mineral (olivine ?)
205-1253A-17R2 TS27	27-A	4B	17R	2	108-111	PPL	Blue	40x	Zeolites, probably mesolite or thomsonite
205-1253A-17R2 TS27	27-B	4B	17R	2	108-111	PPL	Blue/light gray	100x	Zeolites, probably mesolite or thomsonite
205-1253A-17R2 TS27	27-C	4B	17R	2	108-111	PPL	Blue/light gray	20x	Zeolites, probably mesolite or thomsonite
205-1253A-17R2 TS27	27-D	4B	17R	2	108-111	PPL	Blue	40x	Zeolites, probably mesolite or thomsonite
205-1253A-17R2 TS27	27-E	4B	17R	2	108-111	PPL	Blue/light gray	20x	Zeolites, probably thomsonite ?
205-1253A-17R2 TS27	27-F	4B	17R	2	108-111	PPL	Blue	40x	Zeolites, probably thomsonite ?
205-1253A-17R2 TS27	27-G	4B	17R	2	108-111	PPL	Blue	100x	Zeolites, probably thomsonite ?
205-1253A-17R2 TS27	27-H	4B	17R	2	108-111	PPL	Blue	5x	Zeolites
205-1253A-17R2 TS27	27-I	4B	17R	2	108-111	XPL	Blue	5x	Zeolites
205-1253A-18R3 TS28	28-A	4B	18R	3	18-20	PPL	Blue/light gray	20x	Ilmenite and clinopyroxene in altered groundmass (clays ?)
205-1253A-18R3 TS28	28-B	4B	18R	4	18-21	PPL	Blue	5x	Inter-growing of plagioclase and clinopyroxene, recrystallization ?
205-1253A-18R3 TS28	28-C	4B	18R	5	18-22	XPL	Blue	5x	Inter-growing of plagioclase and clinopyroxene, recrystallization ?
205-1253A-18R3 TS28	28-D	4B	18R	6	18-23	XPL	Blue	5x	Inter-growing of plagioclase and clinopyroxene, recrystallization ?
205-1253A-18R3 TS32	32-A	4B	20R	2	71-74	PPL	Blue	20x	Zeolites
205-1253A-18R3 TS32	32-B	4B	20R	2	71-74	PPL	Blue	40x	Zeolites
205-1253A-25R1 TS36	36-A	4B	25R	1	33-35	XPL	Blue	5x	Cryptocrystalline basalt/gabbro
205-1253A-25R1 TS37	37-A	4B	25R	1	59-62	PPL	Blue/dark gray	5x	Partly altered plagioclase
205-1253A-25R2 TS39	39-A	4B	25R	2	3-5	XPL	Blue	5x	Cryptocrystalline basalt/gabbro
205-1253A-24R2 TS41	41-A	4B	24R	2	39-41	XPL	Blue	5x	Clinopyroxene and full olivine replacement by saponite ?
205-1253A-24R2 TS41	41-B	4B	24R	3	39-42	PPL	Blue/light gray	5x	Clinopyroxene and full olivine replacement by saponite ?
205-1253A-27R2 TS46	46-A	4B	27R	2	114-116	XPL	Blue	20x	Growth zoning within plagioclase
205-1253A-27R2 TS46	46-B	4B	27R	2	114-116	XPL	Blue	20x	Growth zoning within plagioclase
205-1253A-27R2 TS47	46-C	4B	27R	3	114-117	XPL	Blue/light gray	5x	Fine-grained gabbro
205-1253A-39R2 TS52	52-A	4B	39R	2	82-84	XPL	Blue	20x	Growth zoning and melt inclusions in plagioclase
205-1253A-39R2 TS56	56-A	4B	33R	1	132-134	PPL	Blue	5x	Plagioclase, mostly altered to green clay

Leg 205 Digital Photomicrograph Log

TS overview	Image#	Unit	Core	Section	Interval (cm)	Light	Filter	Magnification	Feature
	(TS # - Close up #)								
205-1253A-39R2 TS56	56-B	4B	33R	1	132-134	XPL	Blue	5x	Plagioclase, mostly altered to green clay
205-1253A-39R2 TS56	56-C	4B	33R	1	132-134	PPL	Blue	20x	Green & brown clay replacing primary minerals
205-1253A-33R1 TS57	57-A	4B	33R	1	138-140	XPL	Blue	5x	Stilbite
205-1253A-33R1 TS57	57-B	4B	33R	1	138-140	PPL	Blue/light gray	5x	Stilbite
205-1253A-33R1 TS57	57-C	4B	33R	1	138-140	XPL	Blue	5x	Altered plagioclase
205-1253A-33R1 TS57	57-D	4B	33R	1	138-140	XPL	Blue	5x	Stilbite
205-1253A-33R1 TS57	57-E	4B	33R	1	138-140	XPL	Blue	20x	Stilbite
205-1253A-33R1 TS57	57-F	4B	33R	1	138-140	XPL	Blue	5x	Stilbite
205-1253A-33R1 TS57	57-G	4B	33R	1	138-140	PPL	Blue/dark gray	5x	Stilbite
205-1253A-41R4 TS58	58-A	4B	41R	4	92-94	PPL	Blue/light gray	5x	Recrystallization, intergrowing of clinopyroxene and plagioclase
205-1253A-41R4 TS58	58-B	4B	41R	4	92-94	XPL	Blue	5x	Recrystallization, intergrowing of clinopyroxene and plagioclase
205-1253A-41R4 TS58	58-C	4B	41R	4	92-94	XPL	Blue	5x	Fine grained gabbro
205-1253A-30R1 TS64	64-A	4B	30R	1	12-14	PPL	Blue/light gray	5x	Replacement of olivine by glass, clay and opaques ?
205-1253A-30R3 TS65	65-A	4B	30R	3	117-120	XPL	Blue	5x	Magmatic contact between medium grained and microcrystalline gabbro
205-1253A-30R3 TS65	65-B	4B	30R	4	117-121	XPL	Blue	5x	Intergrowing of plagioclase and clinopyroxene, recrystallization ? Near magmatic contact ?
205-1253A-31R1 TS66	66-A	4B	31R	1	50-52	XPL	Blue/light gray	5x	Magmatic contact
205-1253A-31R2 TS67	67-A	4B	31R	2	106-108	XPL	Blue	5x	Magmatic contact
205-1253A-31R4 TS69	69-A	4B	31R	4	28-30	XPL	Blue/light gray	5x	Magmatic contact Medium grained to microcrystalline gabbro
205-1253A-31R4 TS69	69-B	4B	31R	4	28-30	PPL	Blue/light gray	5x	Magmatic contact with inter growing clinopyroxene and plagioclase, recrystallisation
205-1253A-31R4 TS69	69-C	4B	31R	4	28-30	XPL	Blue	20x	Opaques (Magnetite?) and clinopyroxene
205-1253A-31R4 TS69	69-D	4B	31R	4	28-30	XPL	Blue/light gray	5x	Fine grained gabbro
205-1253A-31R4 TS69	69-E	4B	31R	4	28-30	XPL	Blue/light gray	5x	Medium to fine-grained gabbro
205-1253A-31R4 TS69	69-F	4B	31R	4	28-30	XPL	Blue/light gray	5x	Microcrystalline gabbro
205-1253A-32R2 TS72	72-A	4B	32R	2	18-20	XPL	Blue	5x	Microcrystalline gabbro
205-1253A-32R2 TS72	72-B	4B	32R	2	18-20	XPL	Blue	5x	Plagioclase zonation
205-1253A-32R3 TS73	73-A	4B	32R	3	32-34	PPL	Blue/light gray	5x	Clay replacing a primary mineral and conserving the morphology (olivine ?)
205-1253A-32R3 TS73	73-B	4B	32R	3	32-34	XPL	Blue	5x	Clay replacing a primary mineral and conserving the morphology (olivine ?)
205-1253A-32R3 TS73	73-C	4B	32R	3	32-34	XPL	Blue	5x	Partly replaced primary mineral (olivine ?)
205-1253A-32R3 TS73	73-D	4B	32R	3	32-34	PPL	Blue/light gray	5x	Replaced olivine
205-1253A-32R3 TS73	73-E	4B	32R	3	32-34	PPL	Blue	20x	Altered primary mineral replaced by clay
205-1253A-34R2 TS74	74-A	4B	34R	2	97-99	XPL	Blue/light gray	5x	Growth zoning of plagioclase
205-1253A-34R2 TS74	74-B	4B	34R	2	97-99	XPL	Blue/light gray	5x	Slightly altered olivine
205-1253A-34R2 TS74	74-C	4B	34R	2	97-99	XPL	Blue	5x	Altered olivine
205-1253A-34R2 TS74	74-D	4B	34R	2	97-99	XPL	Blue	5x	Completely altered olivine
205-1253A-34R4 TS75	75-A	4B	34R	4	70-72	XPL	Blue	20x	Melt inclusion within plagioclase, only at the center
205-1253A-34R4 TS75	75-B	4B	34R	4	70-72	XPL	Blue	20x	Melt inclusions
205-1253A-37R1 TS37	78-A	4B	37R	1	19-21	XPL	Blue	20x	Melt inclusions in pyroxene
205-1253A-38R1 TS80	80-A	4B	38R	1	59-62	XPL	Blue	50x	Fluid/melt inclusion within clinopyroxene
205-1253A-42R3 TS89	89-A	4B	42R	3	4-6	PPL	Blue/light gray	20x	Replacement of olivine by glass, clay and chlorite
FOV									
2.5 x = 5.5 mm									
5 x = 2.75 mm									
10 x = 1.40 mm									
20 x = 70 µm									
40 x = 35 µm									
80 x = 17.5 µm									