

Overview of stops Ethiopia 2018 Fieldwork

Frank Zwaan, 17 Dec 2019

Participants:

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Day	Date (year 2018)	Stop	Point (Zwaan et al. 2019)	Point (GPS FS)	WGS84 Latitude (°N) (GPS FS)	WGS84 Longitude (°E) (GPS FS)	Point Tablet (GPS GC) ET-2018-...	Remarks
1	7 Nov	1		244	13.488056	39.470921		Hotel in Mekele
		2	1.1	245	13.364244	39.709006	01	First outcrop: roadcut in Jurassic units
		3		246	13.364623	39.708483		idem
		4		247	13.363739	39.710220		idem
		5		248	13.363146	39.710931		idem
		6		249	13.357443	39.733321		Panorama point east of Abala
		7	1.2	250	13.351897	39.743987	02	Normal fault near MBF
		8	1.3	251	13.350103	39.744677		Outcrop of basalts
		9		252	13.356116	39.751718		Abala lunch?
		10		253	13.277016	40.001020		Panorama point in Afar?
		11		254	13.209195	40.861400		Open air hotel
2	8 Nov	12		255	13.058062	40.962858		Sunrise panorama
		13		256	12.403871	41.182915		Breakfast
		14		257	11.957964	41.302410		Junction of road to Jibouti/Afar/Addis
3	9 Nov	15	2.1	258	13.360189	39.745971	Point, no code	Big river incision in MBF at Abala
		16	2.2	259	13.329172	39.746686	03	Big river incision in MBF south of Abala
		17		260	13.313088	39.782949	Point, no code	Limestone Quarry south of Abala
		18	2.3	261	13.297246	39.823783	Point, no code	Ridge between Abala & Teru Basins
		19	2.4	262	13.275122	39.828552	04	Fault visible in roadcut
		20	2.5	263	13.280766	39.828414	05	Large fault in Jurassic along road
		21	2.6	264	13.285701	39.826859	06	E-W normal fault in Jurassic sediments
		22	2.7	265	13.423969	39.863124	07	Fault on road to Berhale
		23	2.8	266	13.436628	39.856025	08	Fault on road to Berhale
		24	2.9	267	13.442214	39.856008	09	Fault on road to Berhale
		25	2.10	268	13.412517	39.856988	10	Fault on road to Berhale
4	10 Nov	26	3.1	269	13.474332	39.867624	11	Fault on road to Berhale
		27	3.2	270	13.485969	39.871661	12	Fault on road to Berhale
		28	3.3	271	13.648923	39.868427	13	Dike intruded in basement
		29	3.4	272	13.654454	39.868905	14	Dike at road junction Abala/Berhale/Wikro
		30		273	13.850768	40.012844	Point, no code	Lunch
		31		274	13.881808	40.067677		Northeasternmost point

		32		275	13.925451	40.035107		Northernmost point of expedition
		33	3.5	276	13.650517	39.846081	Point, no code	Adigrat sst outcrop on road to Wikro
		34	3.6	277	13.650817	39.841988	15	Reverse fault in Adigrat sst
5	11 Nov	35	4.1	278	13.116753	39.497226		Panorama point at Hiwana
		36	4.2	279	13.061729	39.497762		Panorama point on road to Maychew
		37	4.3/4.4	280	12.967431	39.528491		Panorama point of Ambalage fault
		38	4.5	281	12.928489	39.523116	16	Ambalage fault
		39	4.6	282	12.896378	39.519347	17	Second basin on Ambalage fault
		40	4.7	283	12.844972	39.566592		Panorama view into Kobo basin
		41		284	12.787830	39.541426		Car repair
		42	4.8	285	12.566348	39.523872		Panorama view over Lake Hashenge
		43	4.9	286	12.560264	39.523166	18	Western BF of Hashenge basin
		44	4.10	287	12.519559	39.486632		Panorama of MBF (Hashenge Basin)
		45	4.11	288	12.523768	39.479168	19	Outcrop near MBF (Hashenge Basin)
		46	4.12	289	12.491339	39.501815	20	Outcrop near MBF (Hashenge Basin)
		47		290	12.786988	39.541327		Tadele hotel Meychew
6	12 Nov	48	5.1	291	12.775328	39.558916	21	Road to Mehoni
		49	5.2	292	12.769619	39.591035	22	Road to Mehoni
		50	5.3	293	12.775577	39.594529	23	Big fault on road to Mehoni
		51	5.4	294	12.778730	39.616549	24	Final edge of Western Kobo margin
		52	5.5	295	12.781488	39.771012		Panorama of Eastern Kobo margin
		53	5.6	296	12.741659	39.816747	25	River incision on Kobo MBF
		54	5.6	297	12.742360	39.816265	25	idem
		55	5.6	298	12.740000	39.812880	26	Federico + Giacomo excursion in river bed
		56	5.7	299	12.729976	39.810663	27	Big quarry on eastern MBF of Kobo Basin
		57		300	12.795160	39.644212		Media Raya Hotel Mehoni
7	13 Nov	58	6.1	301	12.652158	39.757583	Point, no code	Quarry with basement → fault
		59	6.2	302	12.591998	39.794399	Point, no code	Car parking/small fault block
		60	6.3	303	12.593078	39.795950	Point, no code	Trap layer
		61	6.4	304	12.594005	39.797641	28	Large fault
		62	6.5	305	12.566182	39.743481	29	Roadcut near school
		63	6.6	306	12.570633	39.743050	Point, no code	Lava flow/intrusion outcrop
		64	6.7	307	12.571225	39.741587	30	Outcrop near MBF
		65	6.8	308	12.571467	39.740983	31	MBF exposed in river bed
		66	6.9	309	12.437413	39.725822	32	Quarry along road
		67		310	12.436463	39.703093		Foto landscape
		68	6.10	311	12.424435	39.688453	33	Small roadcut/quarry on MBF
		69	6.11	312	12.449573	39.677745	34	Quarry on MBF
		70	6.12	313	12.477242	39.683586	35	Large river incision in MBF

8	14 Nov	71	7.1	314	12.416923	39.552496	36	Quarry in Alamata, near MBF
		72		315	12.145658	39.628684		Kobo, irrigation project office
		73	7.2	316	12.218531	39.671822		Panorama of eastern BF
		74	7.3	317	12.222479	39.700841	Point, no code	Panorama/fault morphology
		75	7.4	318	12.203431	39.712167	37	Fault planes near MBF
		76	7.5	319	12.203273	39.723484	38	Panorama of Kobo Basin
		77	7.6	320	12.197903	39.719247	39	Fault plane on MBF?
9	15 Nov	78	8.1	321	11.883937	39.523957	40 + 40bis	Measurements on large fault
		79	8.2	322	11.909421	39.435208	41	MBF outcrop
		80	8.3	323	11.934971	39.427448		Panorama point
		81	8.4	324	11.943557	39.427249		Panorama point
		82	8.5	325	11.943242	39.429305		Panorama view over MBF
		83	8.6	326	11.832700	39.603950	42	Outcrop behind Mechare hotel, Woldiya
		84	8.7	327	11.831049	39.602688	43	Small outcrop on Woldiya fault
		85	8.8	328	11.805257	39.608650		Panorama of Woldiya fault
		86	8.9	329	11.732612	39.645624		Road view (small triangular basin?)
		87	8.10	330	11.723819	39.653266		Road view (small fault)
		88	8.11	331	11.705315	39.660148		Panorama of Mersa fault
		89	8.12	332	11.700688	39.652704		Panorama to W-SW
		90	8.13	333	11.628358	39.675604		Panorama of Mersa fault
		91	8.14	334	11.600384	39.669103		
		92	8.15	335	11.505950	39.613252		
		93	8.16	336	11.479490	39.621084		Panorama of Wichale triangular basin
		94		337	11.123482	39.633636	Point, no code	Hotel Dessiè
10	16 Nov	95	9.1	338	10.961942	39.776965	44	Small waterfall on minor fault
		96	9.2	339	10.898029	39.802374		Panorama on large waterfall on MBF
		97	9.3	340	10.893177	39.813008	45	Large waterfall on MBF
		98	9.4	341	10.758972	39.830416		Many basalt outcrops on road, no time...
		99	9.5	342	10.635762	39.923149	46	Quarry on MBF, north of Karakore
		100		343	10.583788	39.913294		Lunch
		101	9.6	344	10.419437	39.934619		Panorama into Robi Basin
		102	9.7	345	10.415248	39.936547	47	Quarry on MBF, just south of Karakore
		103	9.8	346	10.407358	39.933736		Panorama view
		104	9.9	347	10.401052	39.937889	Point, no code	View of Karakore fault
		105	9.10	348	10.365494	39.934283	48	Final quarry with Karakore fault