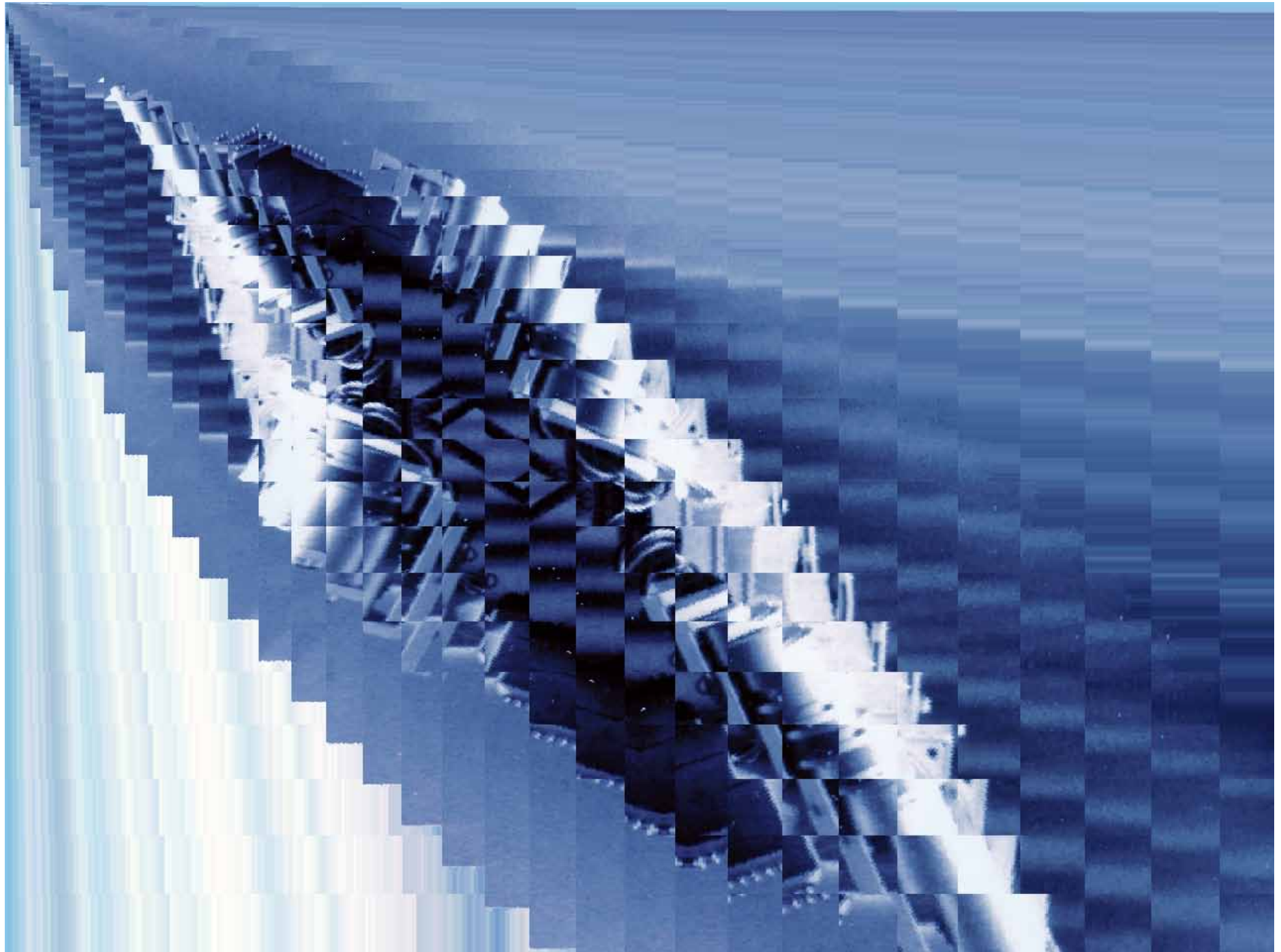


EXITIUM

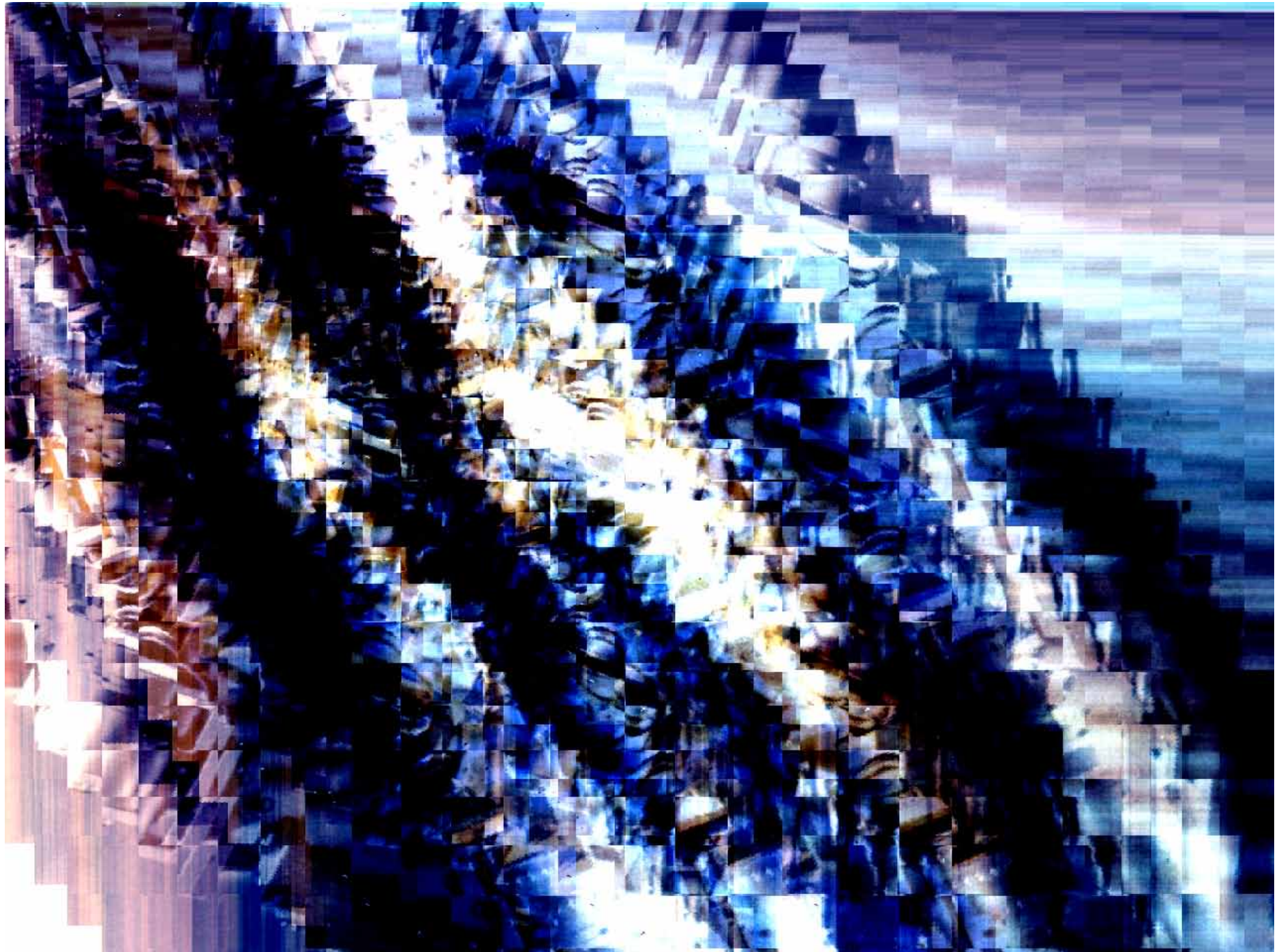
*En **glitch** er en kortvarig feil i et system. Det er ofte brukt for å beskrive en forbigående feil som korrigerer seg selv, og derfor vanskelig å oppdage.*

*I kunstverdenen er **glitch art** en relativ ny kunstform som er basert på de uventede resultatene av digitale feil. - WIKIPEDIA*

Glitch art is the aestheticization of digital or analog errors, such as artifacts and other “bugs”, by either corrupting digital code/data or by physically manipulating electronic devices (for example by circuit bending). - WIKIPEDIA



ALPHA, 2002



BETA, 2002

EXITIUM

Hvordan vil digital kunst se ut om den ble hacket?

Som all annen digital informasjon består digital kunst av endeløse rekker med sifrene 0 og 1. Hva skjer når rekkene blir ødelagt, tall forsvinner eller endrer plass? Dette er noen av spørsmålene jeg har utforsket i prosjektet Exitium.

Jeg har manipulert og hacket fotografier og videoer fra nye og tidligere kunstprosjekter. I noen eksperimenter har jeg hacket og ødelagt koden, i andre har jeg brutt og forringet billedkvaliteten i filene ved hjelp av databending, kompresjon og andre teknikker. Det er ikke benyttet Photoshop eller tilsvarende programvare for å manipulere eller legge effekter på bildene. Prosjektet er støttet av Bildende Kunstneres Vederlagsfond og Radøy Kunstsenter.

PROGRAMVARE PC WINDOWS 7 OG 8 64 BIT

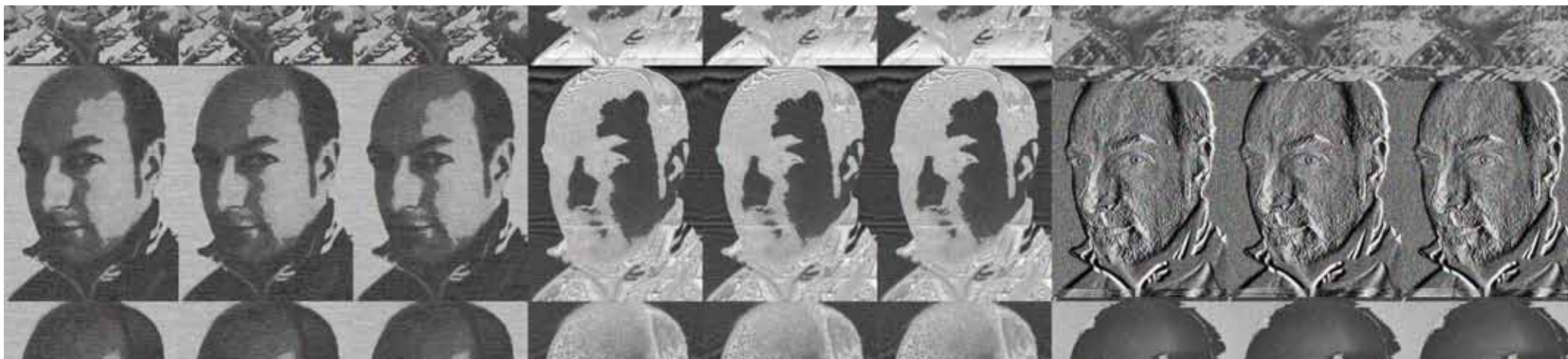
Bilde: Paint, Adobe Photoshop, ACDSee, Faststone (jpg, png, gif, raw, bmp, tiff)

Lyd: Audacity, Adobe Audition, Ableton Live (wav, raw, mp3)

Video: Adobe Premiere, Virtual Dub, Avidemux (avi, mpeg, mp4, wmv)

Tekst: Wordpad, Notepad, Microsoft Word (raw, txt, doc, docx)

Hex-Editor: XVI32, Fredh (alle nevnte formater)



T E K N I K K E R

COMPRESSION ARTIFACT

DATABENDING

THE WORDPAD EFFECT

THE WAVE EDITOR EFFECT

SONIFICATION

DATAMOSHING AUDIO

THE HEX-EDITOR EFFECT - HACKING

VIDEO - AVI - MP4 - WMV

COMPRESSION ARTIFACT

A *compression artifact* (or *artefact*) is a noticeable distortion of media (including images, audio, and video) caused by the application of lossy data compression.

LOSSLESS COMPRESSION

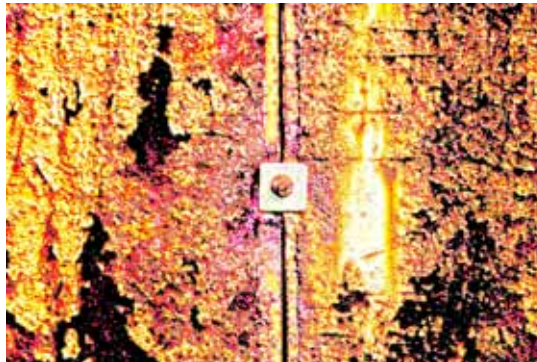
Lossless compression is a class of data compression algorithms that allows the original data to be perfectly reconstructed from the compressed data.

LOSSY COMPRESSION

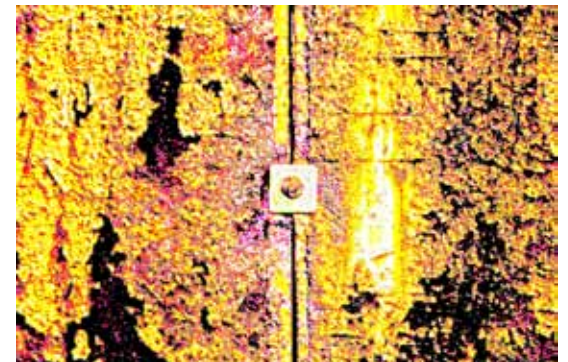
By contrast, *lossy compression* permits reconstruction only of an approximation of the original data, though this usually improves compression rates (and therefore reduces file sizes).



ORIGINAL



X5 8 BIT - 32 BIT



X10 8 BIT - 32 BIT

GENERATION LOSS



ORIGINAL



X 1



X 3



X 5



X 7



X 9

0 % JPG QUALITY - 8 BIT TO 32 BIT AND BACK X 10



X 10

ROTATION



X 10



X 200



X 500



X 1000



X 1500



X 1750

ROTASJON 90 GRADER CW X 4 X 2000



X 2000

DATABENDING

Databending is the process of manipulating information from within a media file of a certain format, using software designed to edit files of another format. Distortions in the medium typically occur as a result, and the process either falls under a broader category of, or is frequently employed in glitch art. - WIKIPEDIA

THE WORDPAD EFFECT

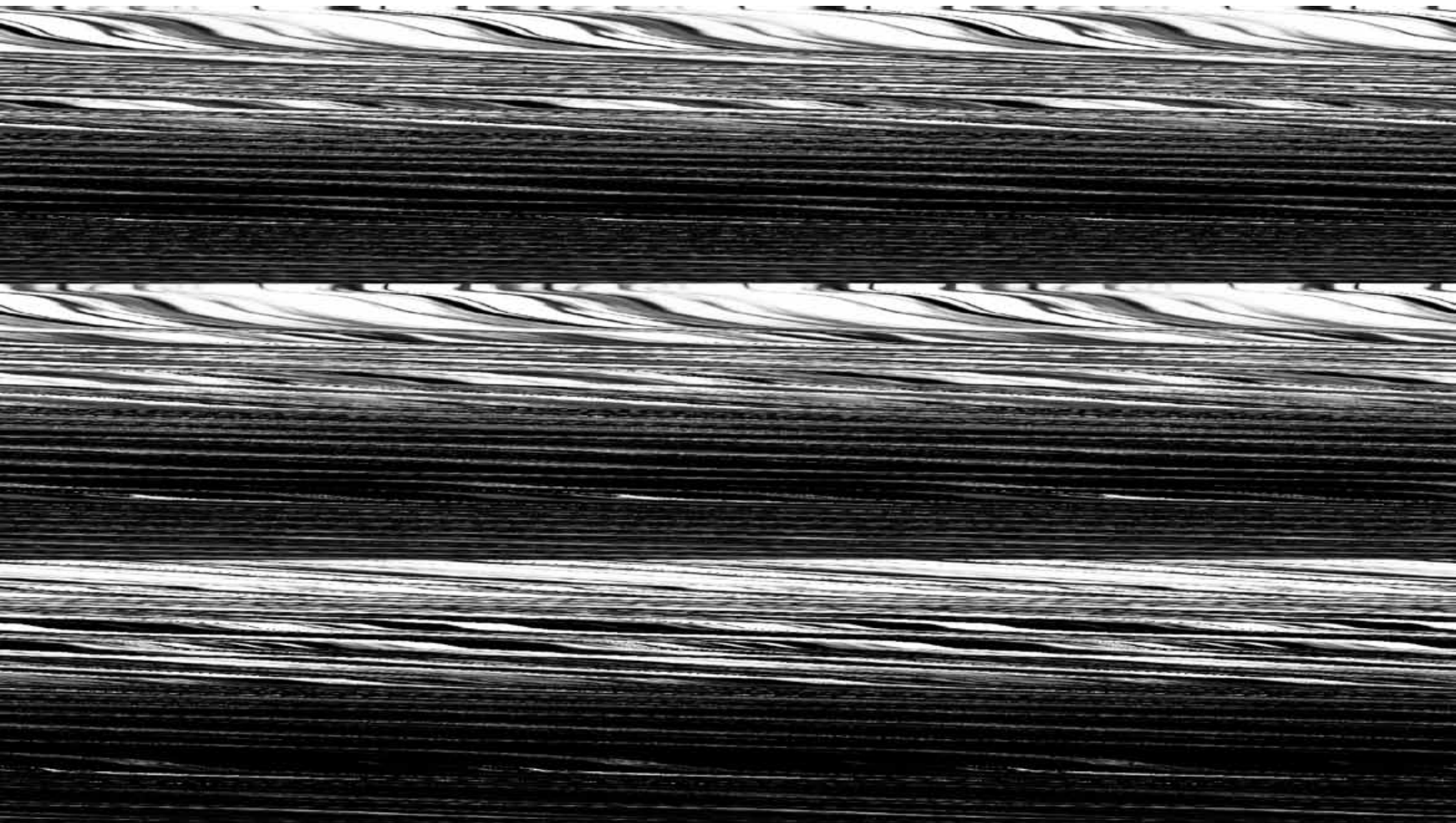
Åpne billedfiler i Wordpad, tekstbehandlingsprogrammet som følger med Windows (kan i følge Internett og bruke andre tekstbehandlingsprogrammer som Notepad, Word osv).

- The Wordpad Effect - kun 1 av 10 bilder ble leselig
- The Notepad Effect – alle bildene ble uleselig og ødelagt
- Microsoft Word - alle bildene ble uleselig og ødelagt

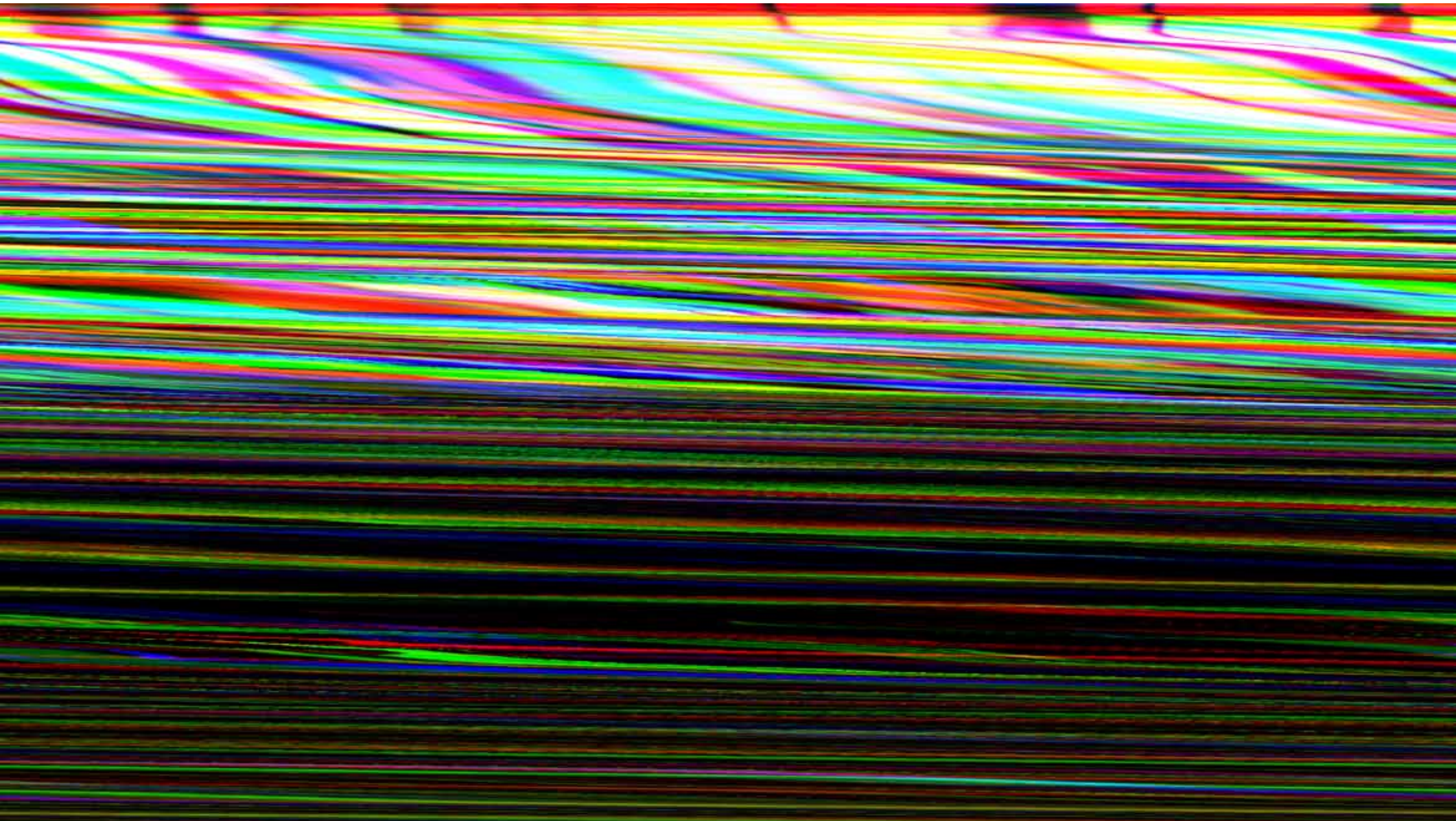
Format: Jpg, Raw & Tiff



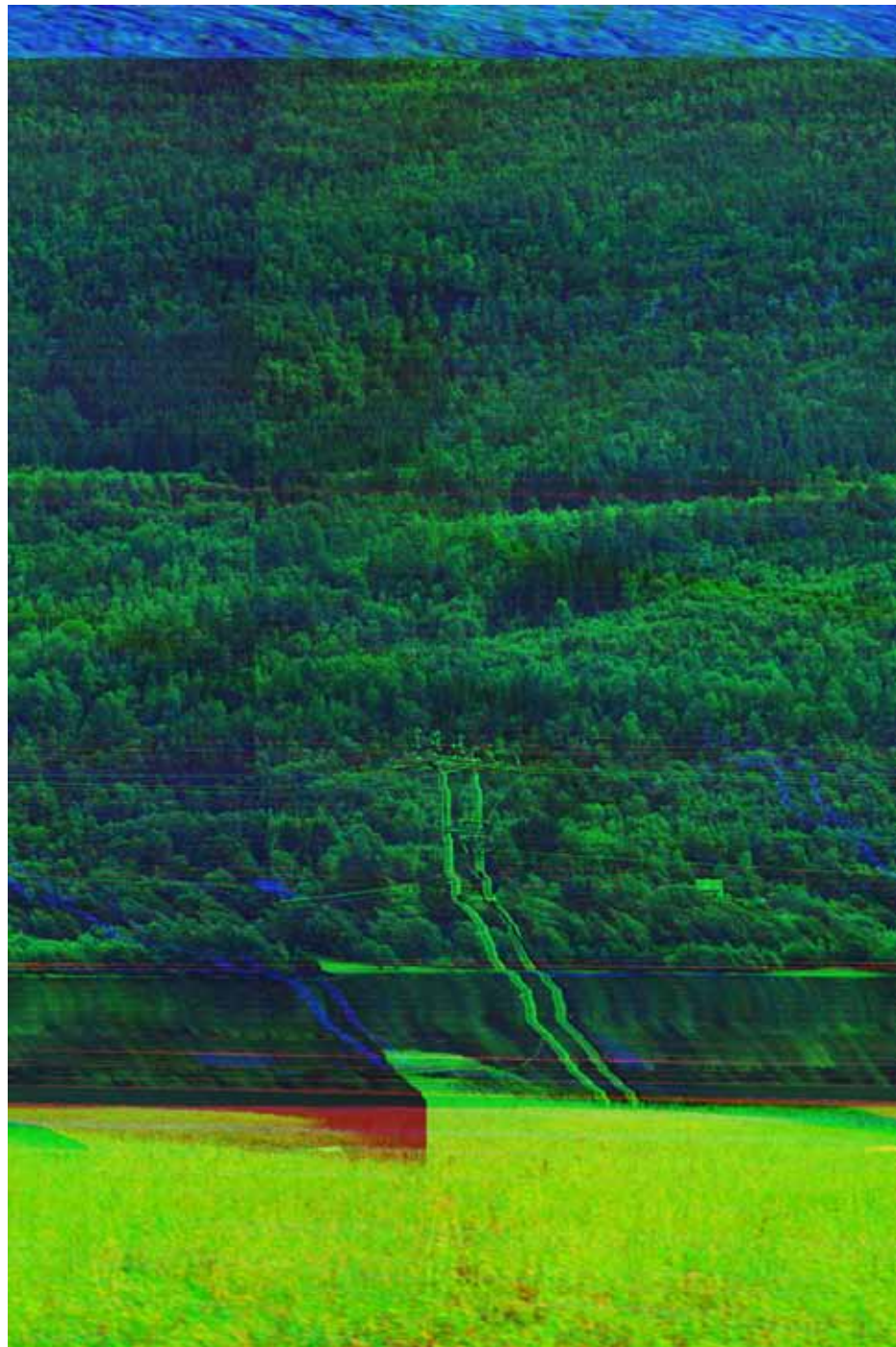


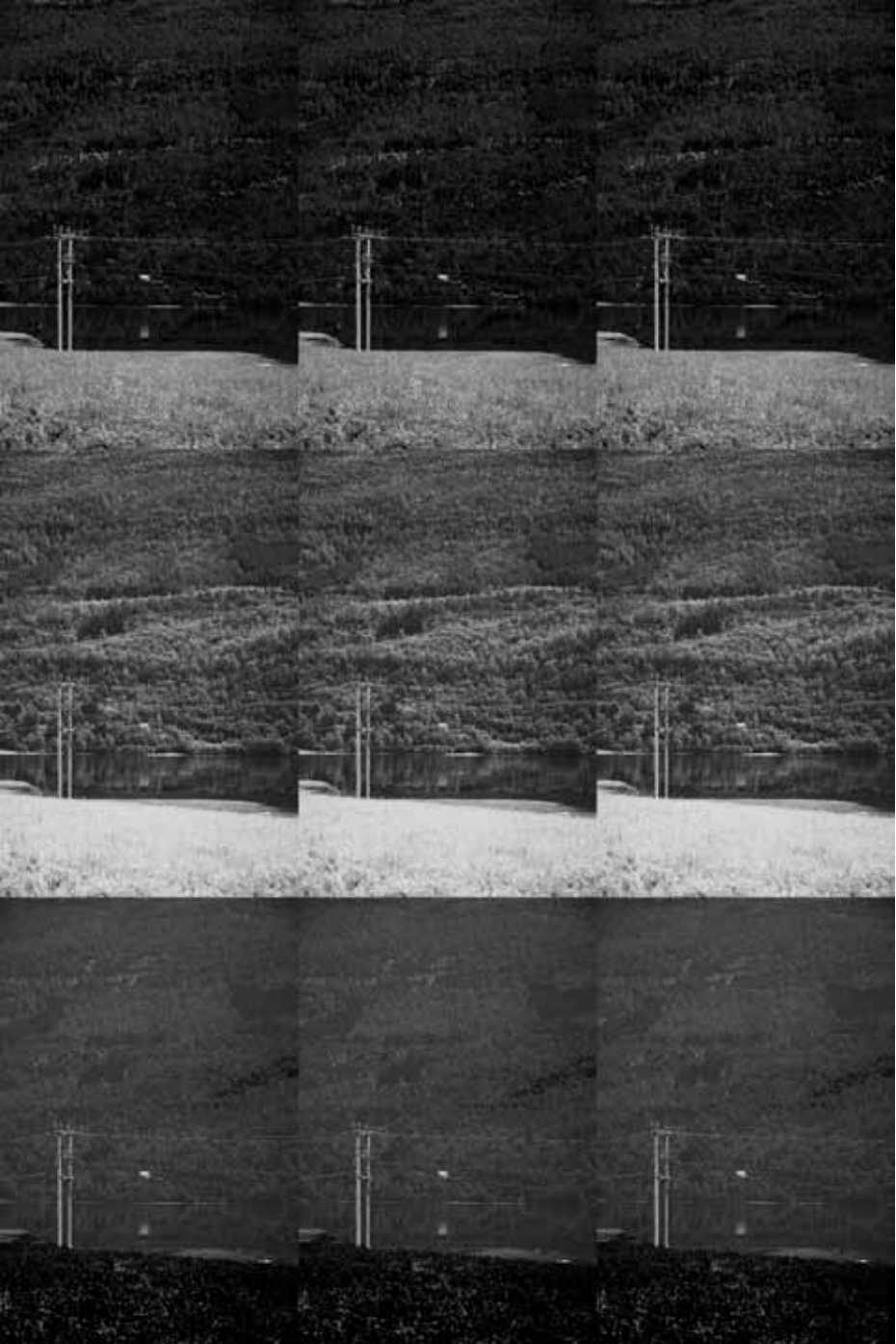
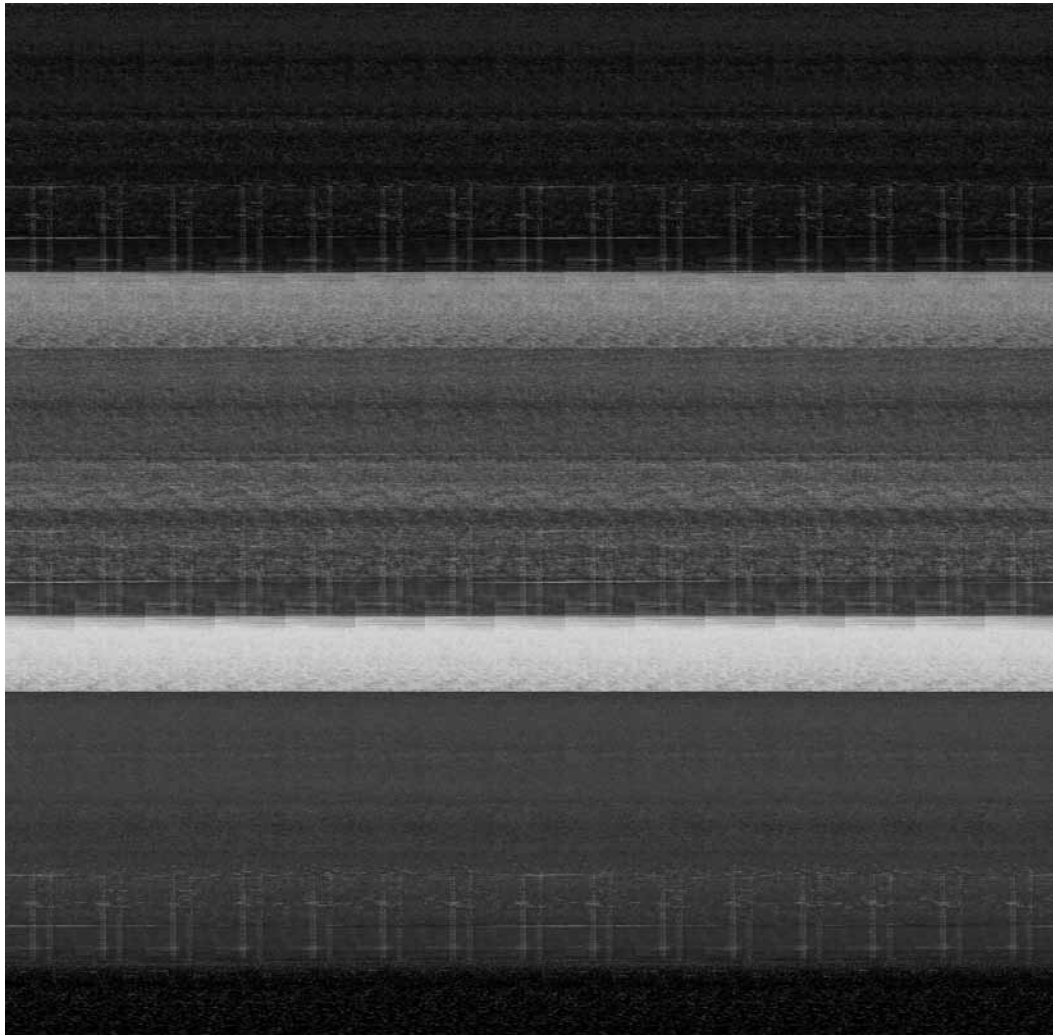


INTERLACED 1



INTERLACED 3



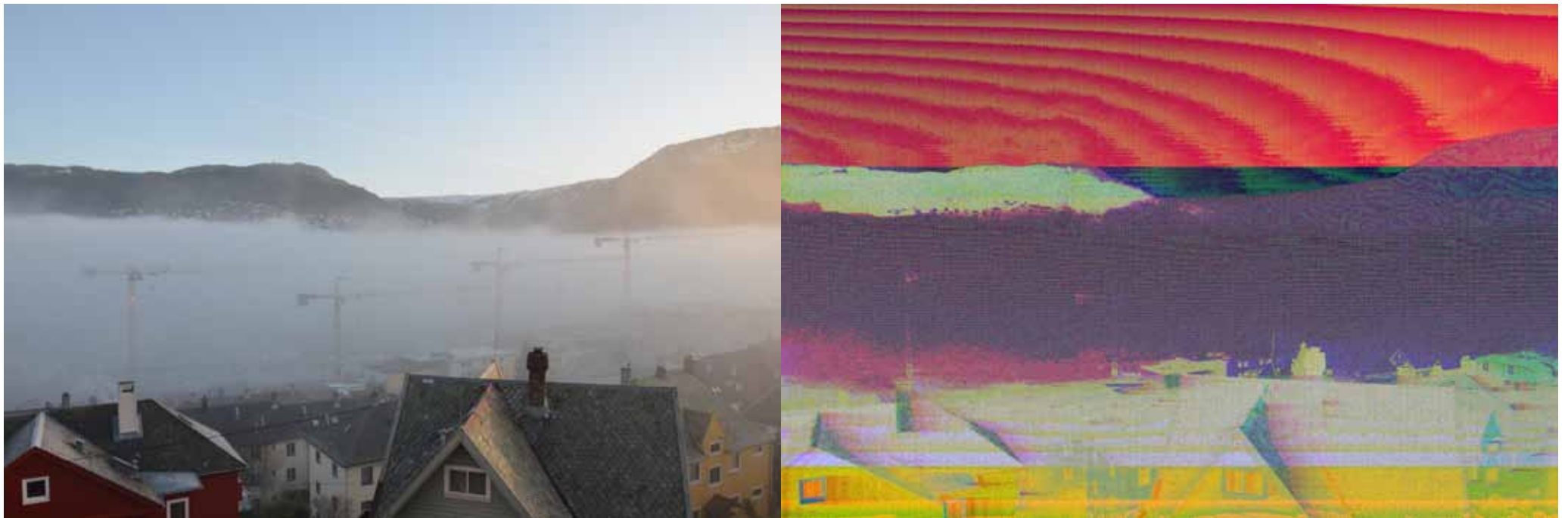


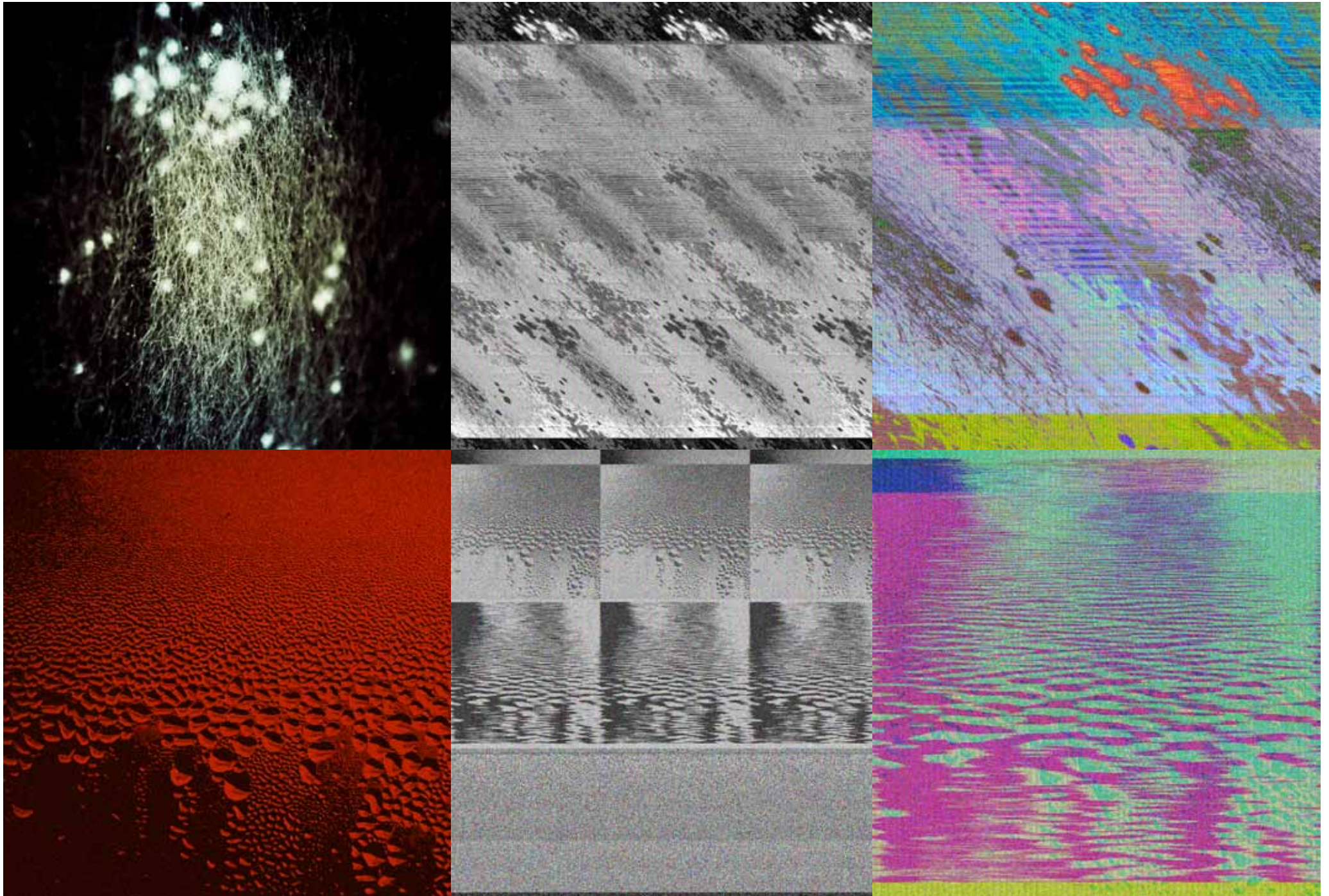
THE WAVE EDITOR EFFECT

Åpne billedfiler i et lydediteringsprogram, fjerne, legge til lyd eller lydeffekter. Deretter eksportere filen tilbake til et billedbehandlingsprogram.

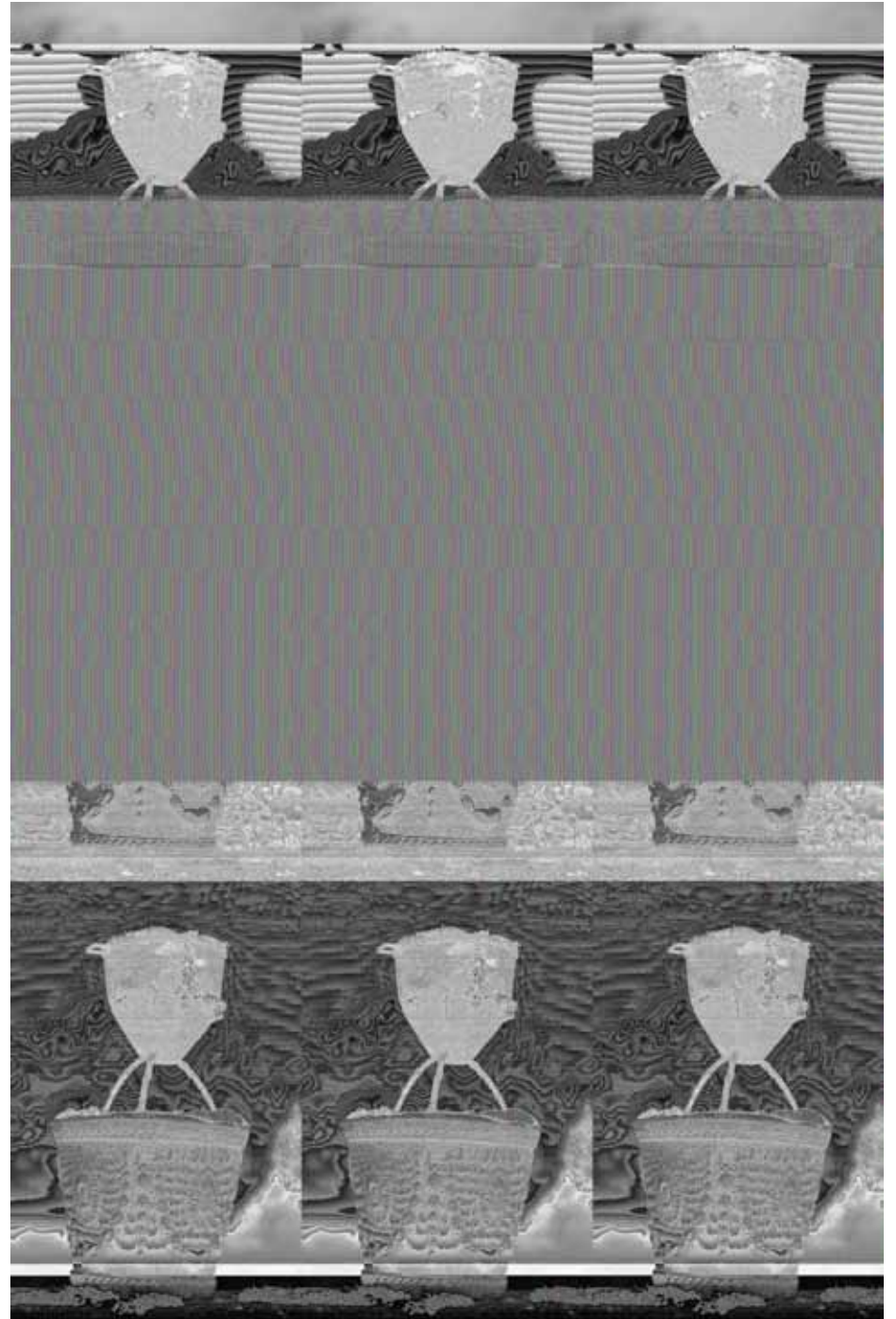
Lydeffekter: Invert, reverb, ekko, phase, equalizer og noise reduction.

Program: Audacity og Photoshop. Format: Raw og Psd



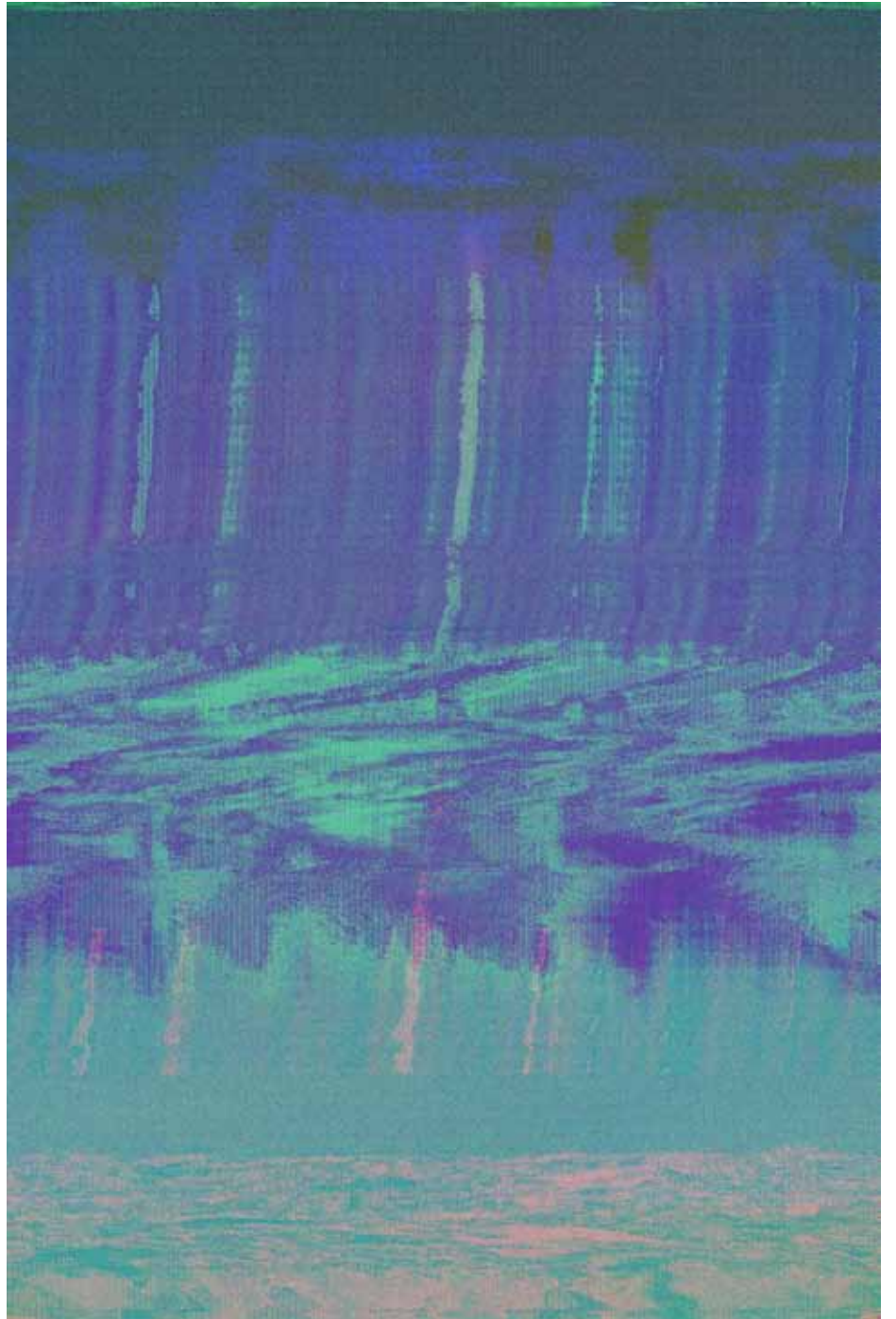
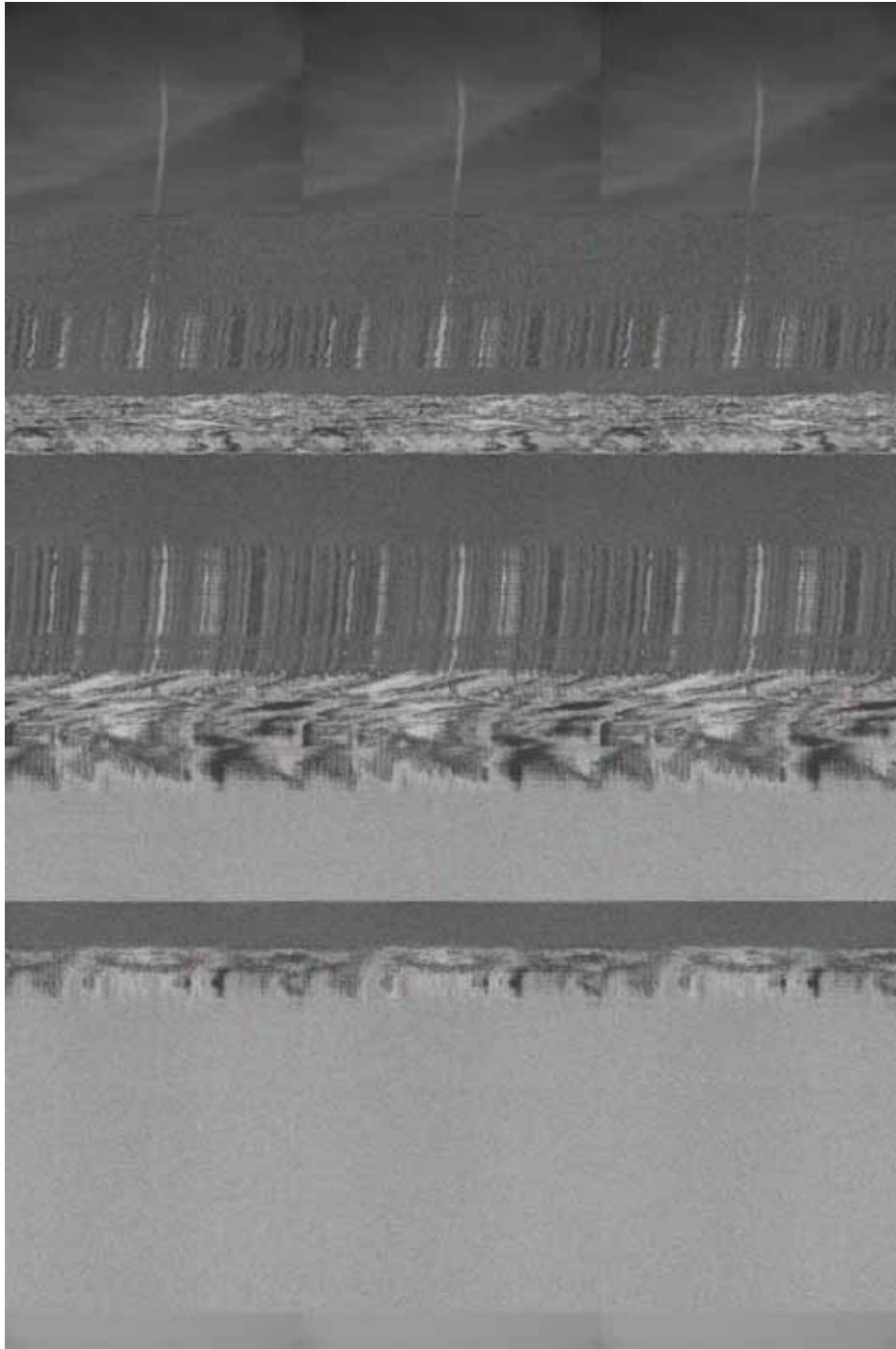


DECOMPOSE OG DEW COVER - INTERLACED 1 OG INTERLACED 3



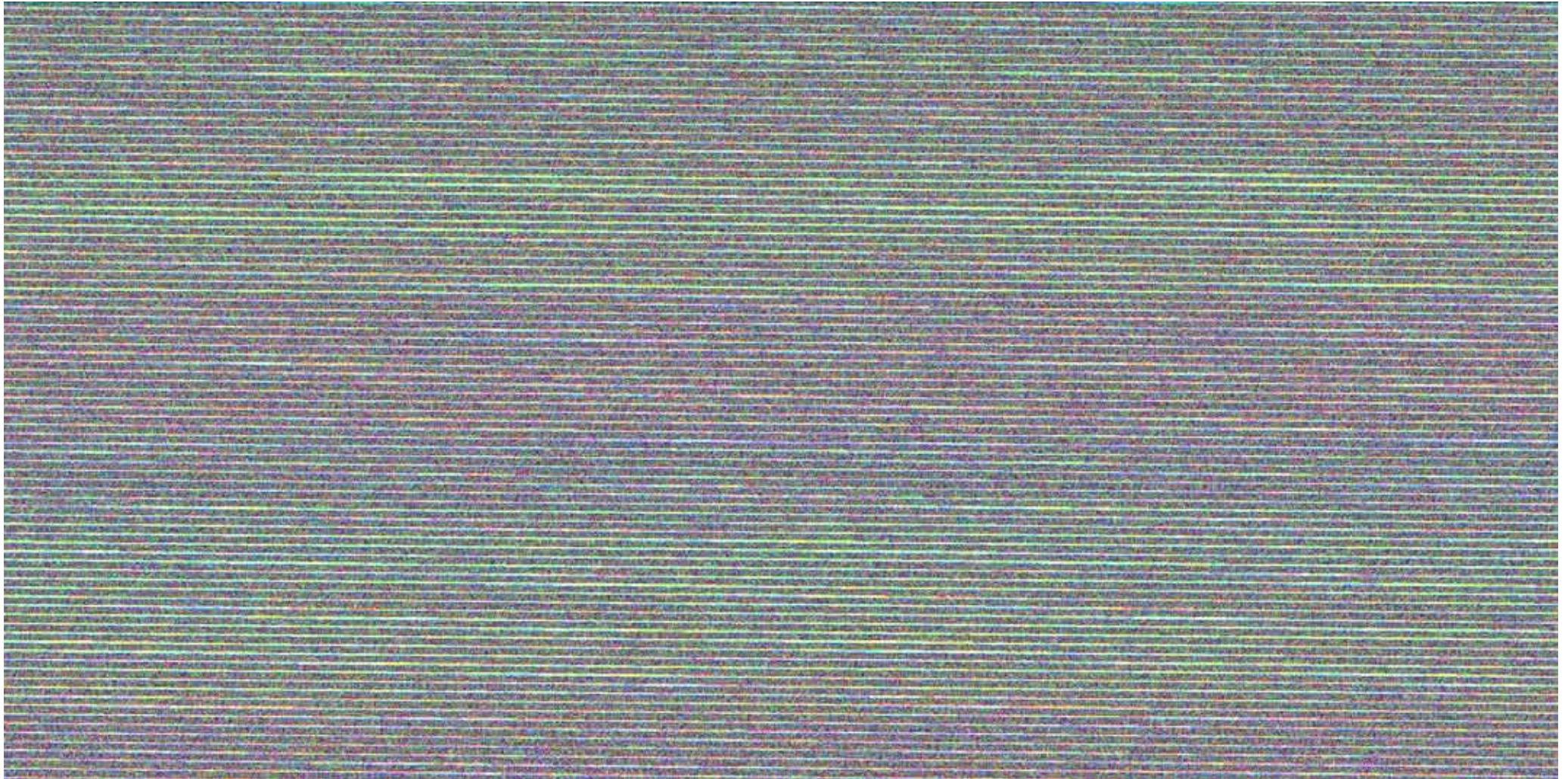




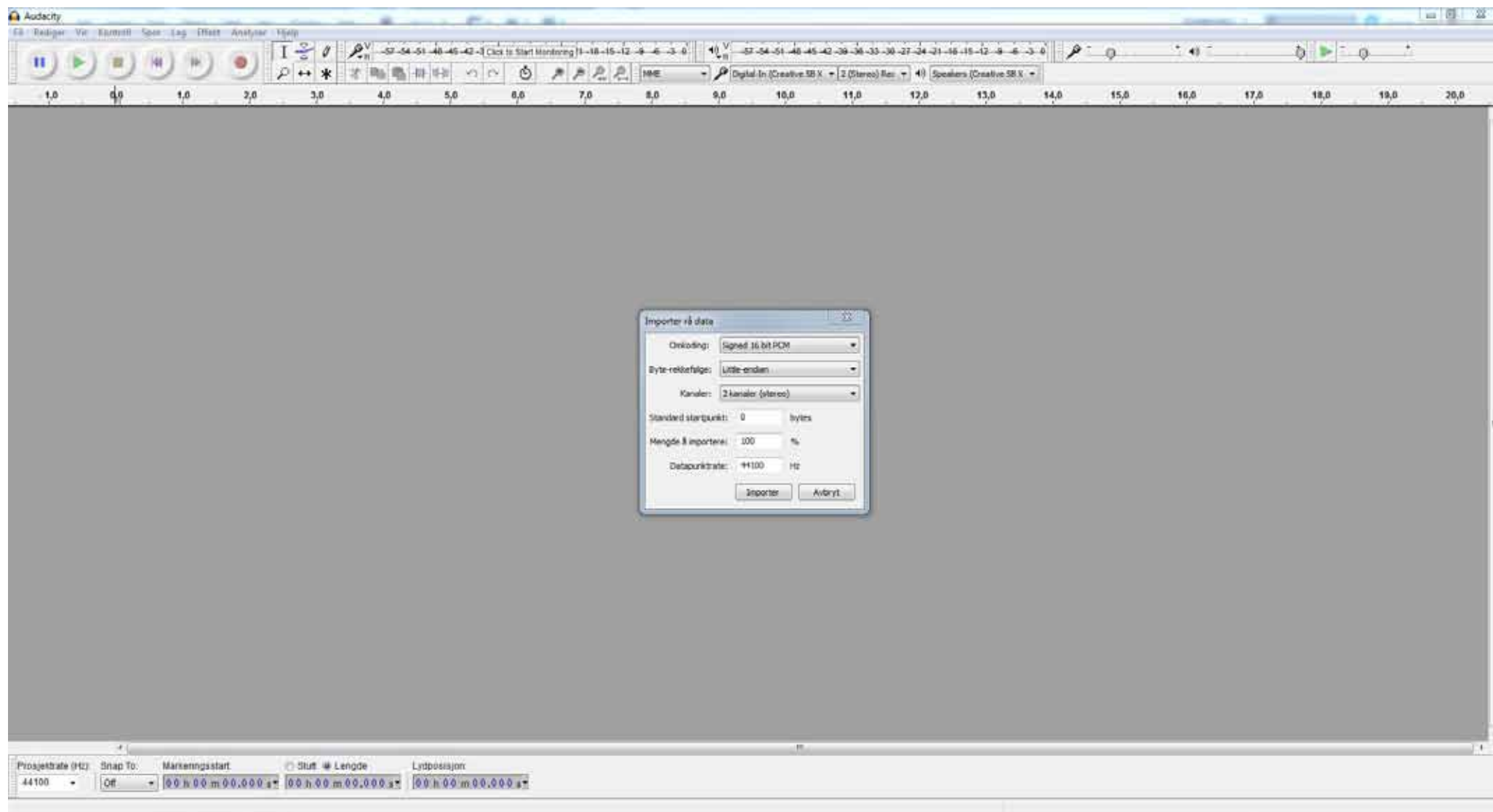


SONIFICATION

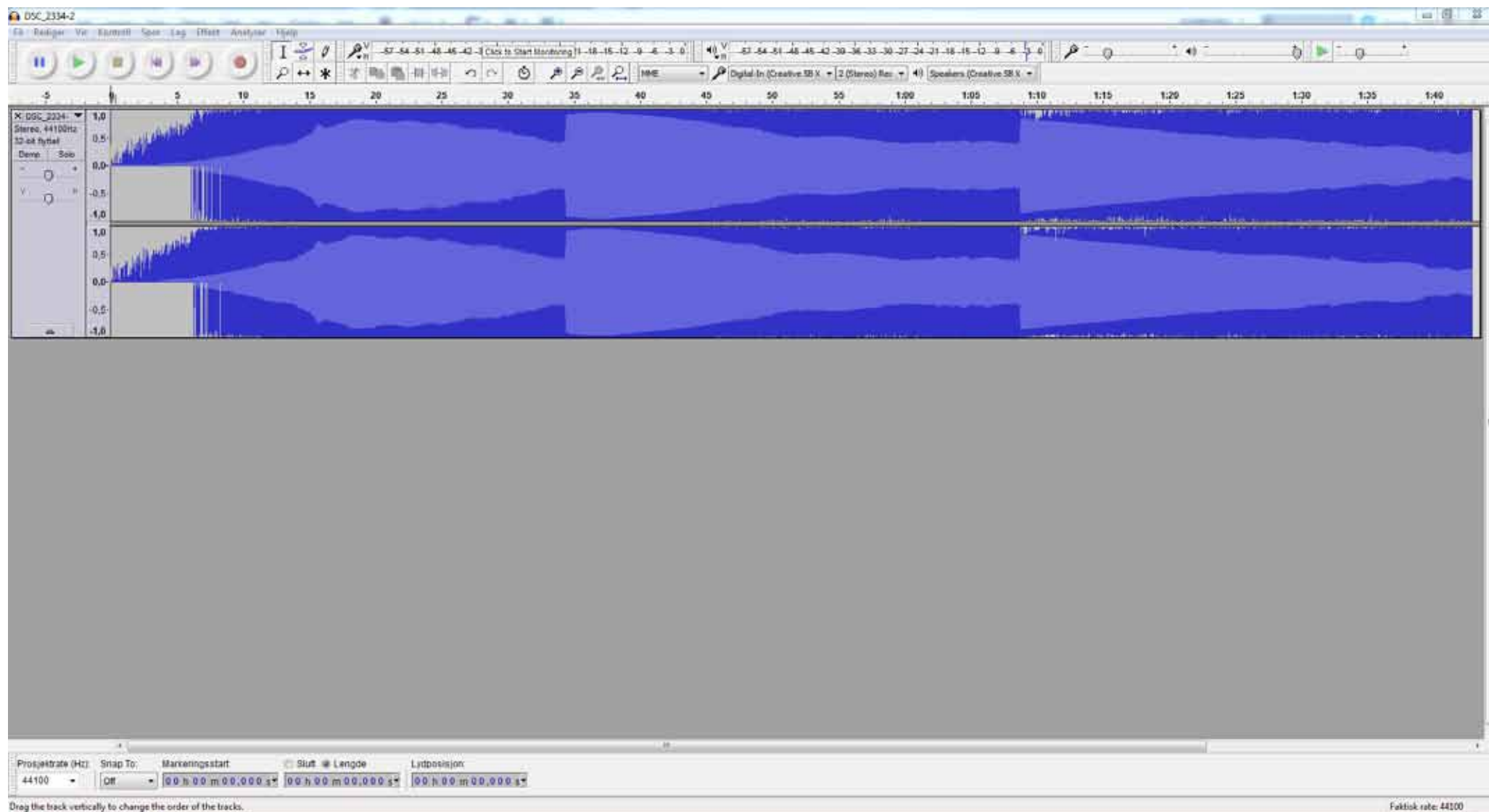
Sonification is the act of converting data into sound.



WATER VAPOR - TERMODRESS (DEW) MP3



IMPORT RAW - 44 KHZ 16 BIT STEREO (CD-KVALITET)



R

G

B

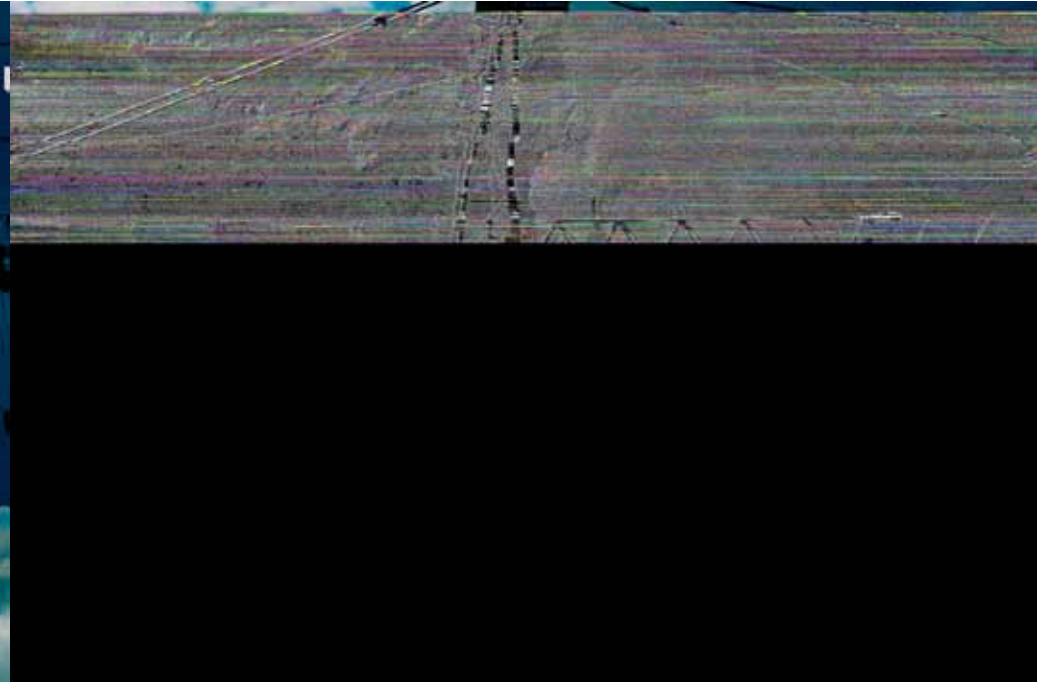
THE HEX-EDITOR EFFECT

ALSO KNOWN AS

H A C K I N G



GIF



PNG

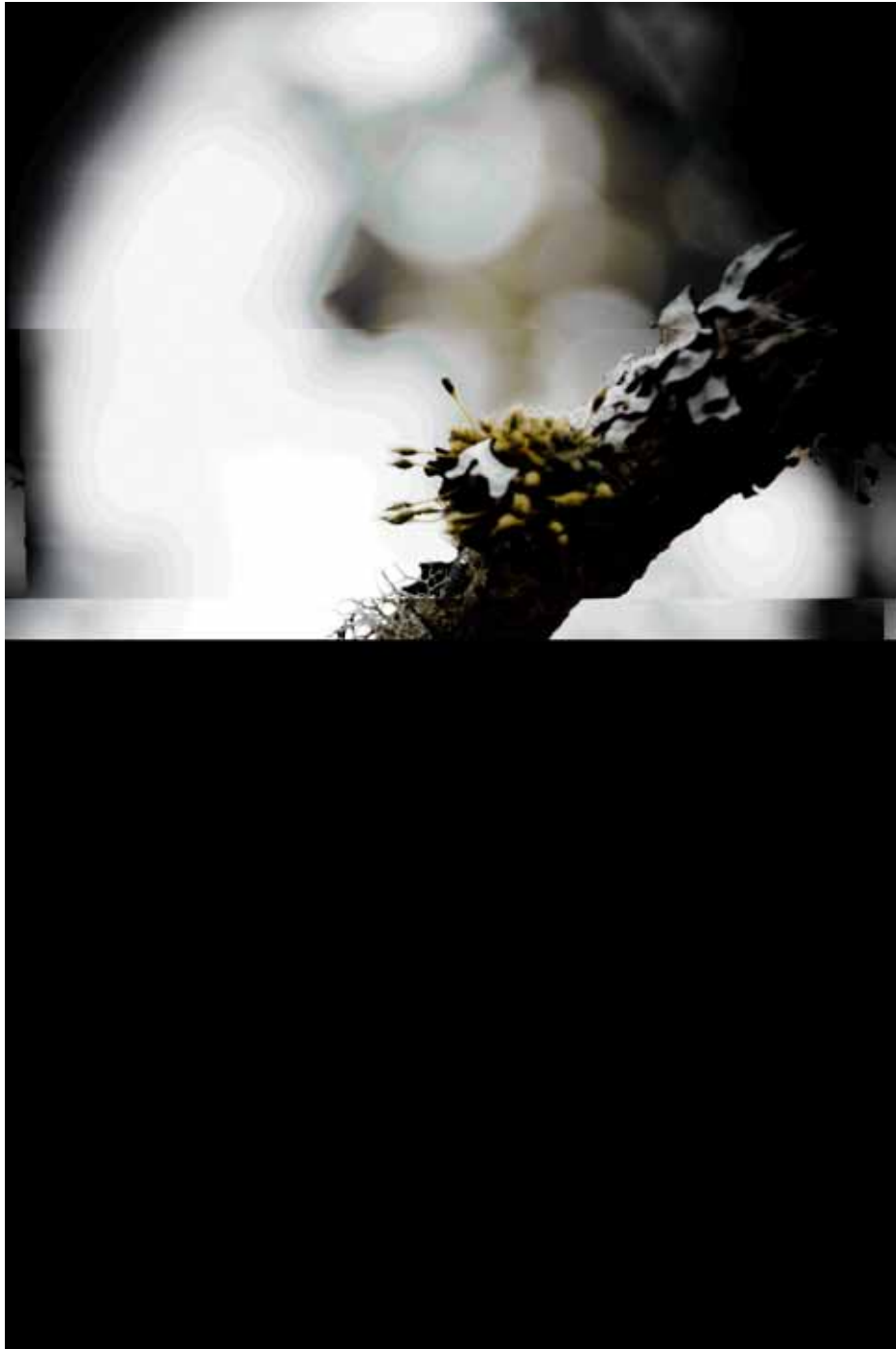


JPG

GIF THE GRAPHICS INTERCHANGE FORMAT







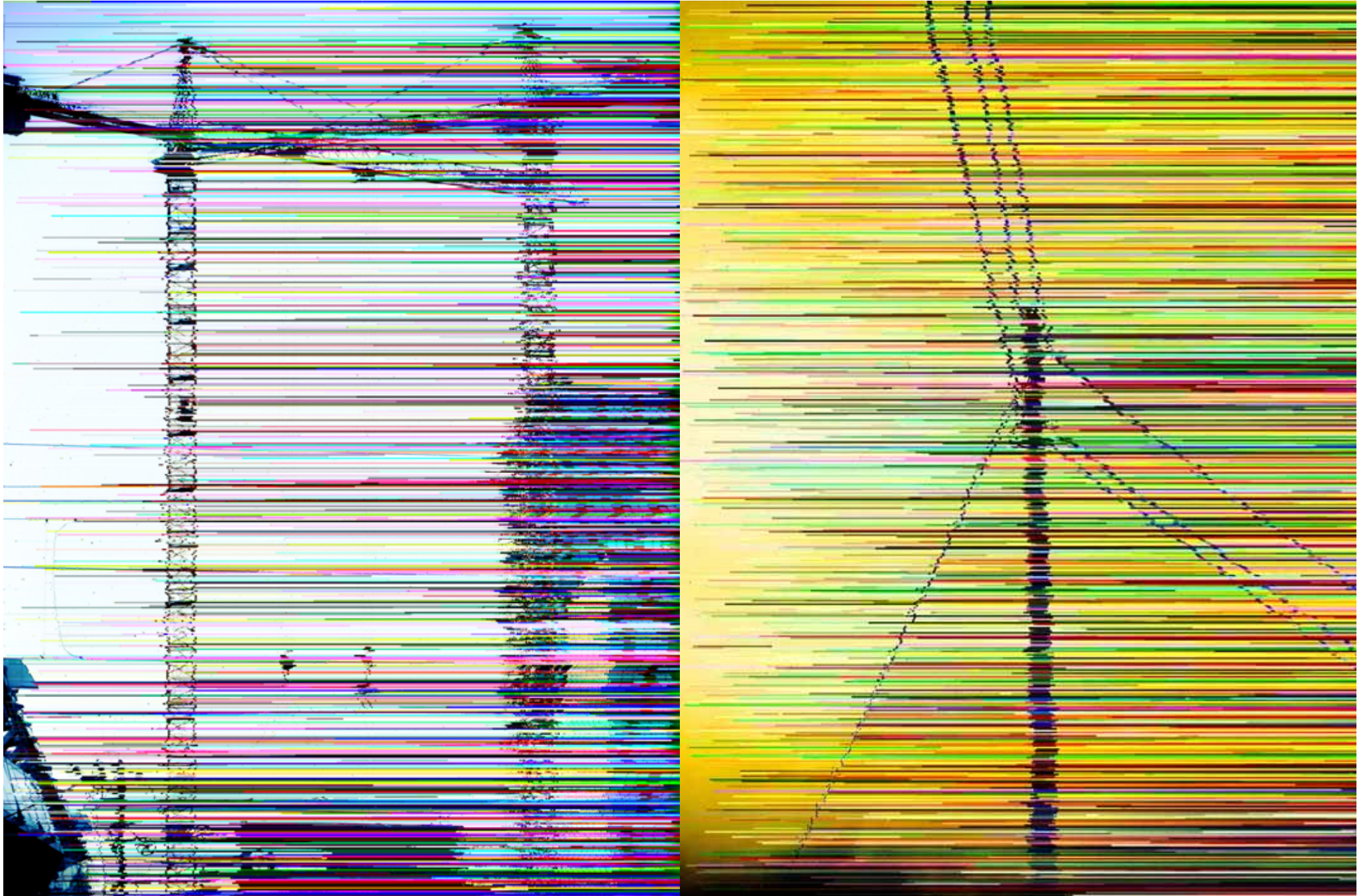
GIF ERROR



GIF TO PNG

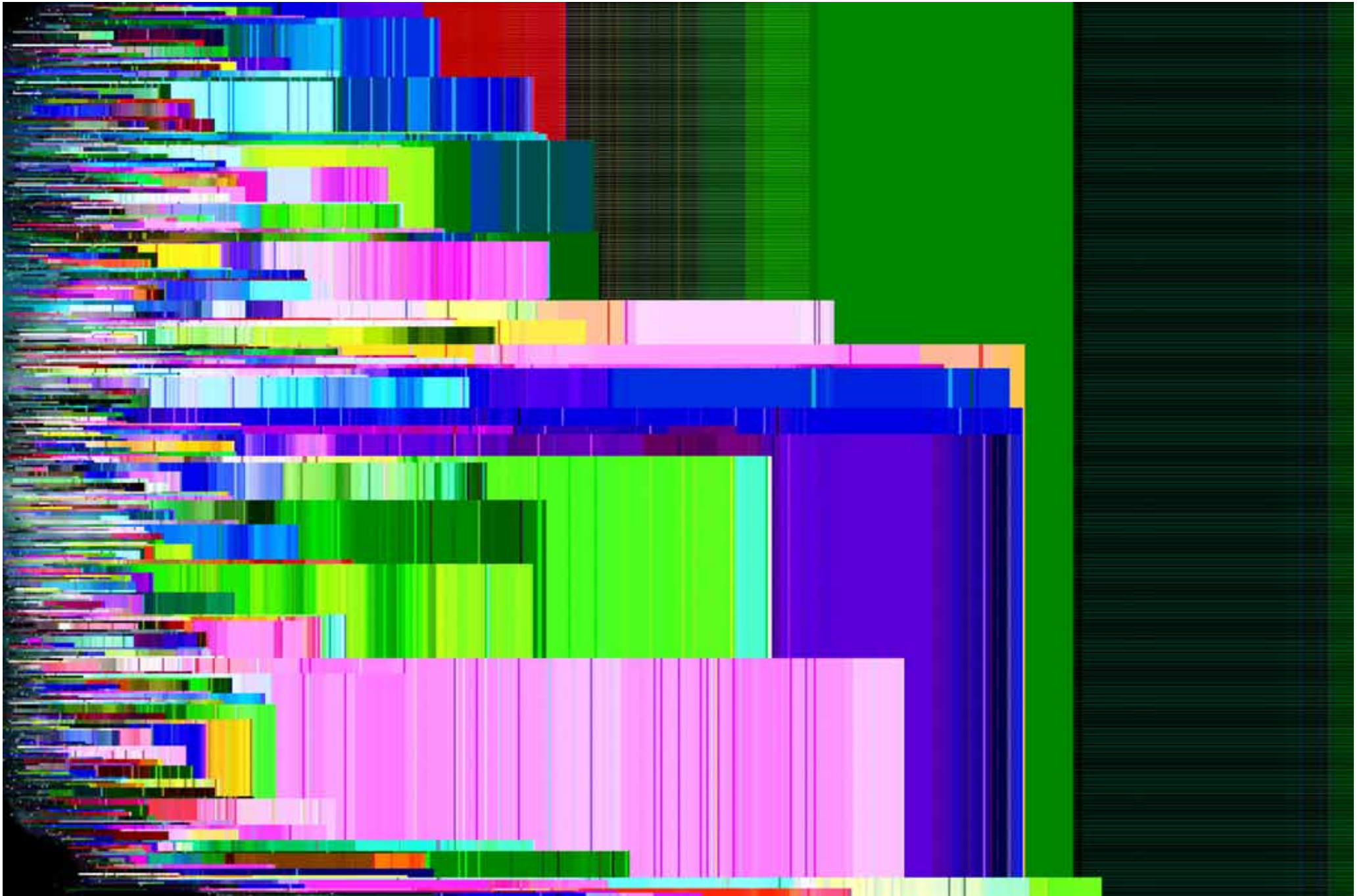
JPG/JPEG

JOINT PHOTOGRAPHIC EXPERT GROUP





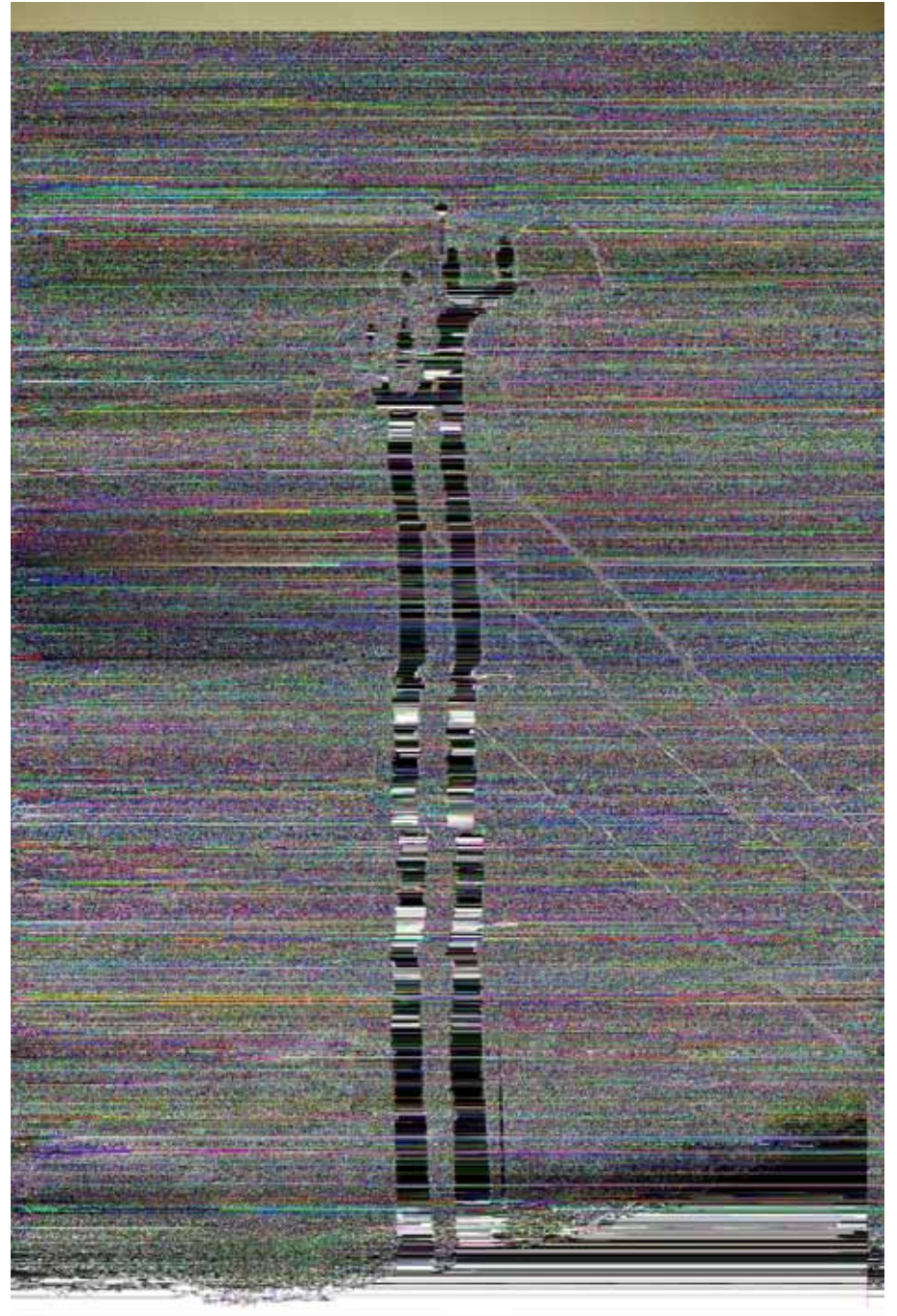
OPPLØSNING, 2015, JPG - FASTSTONE

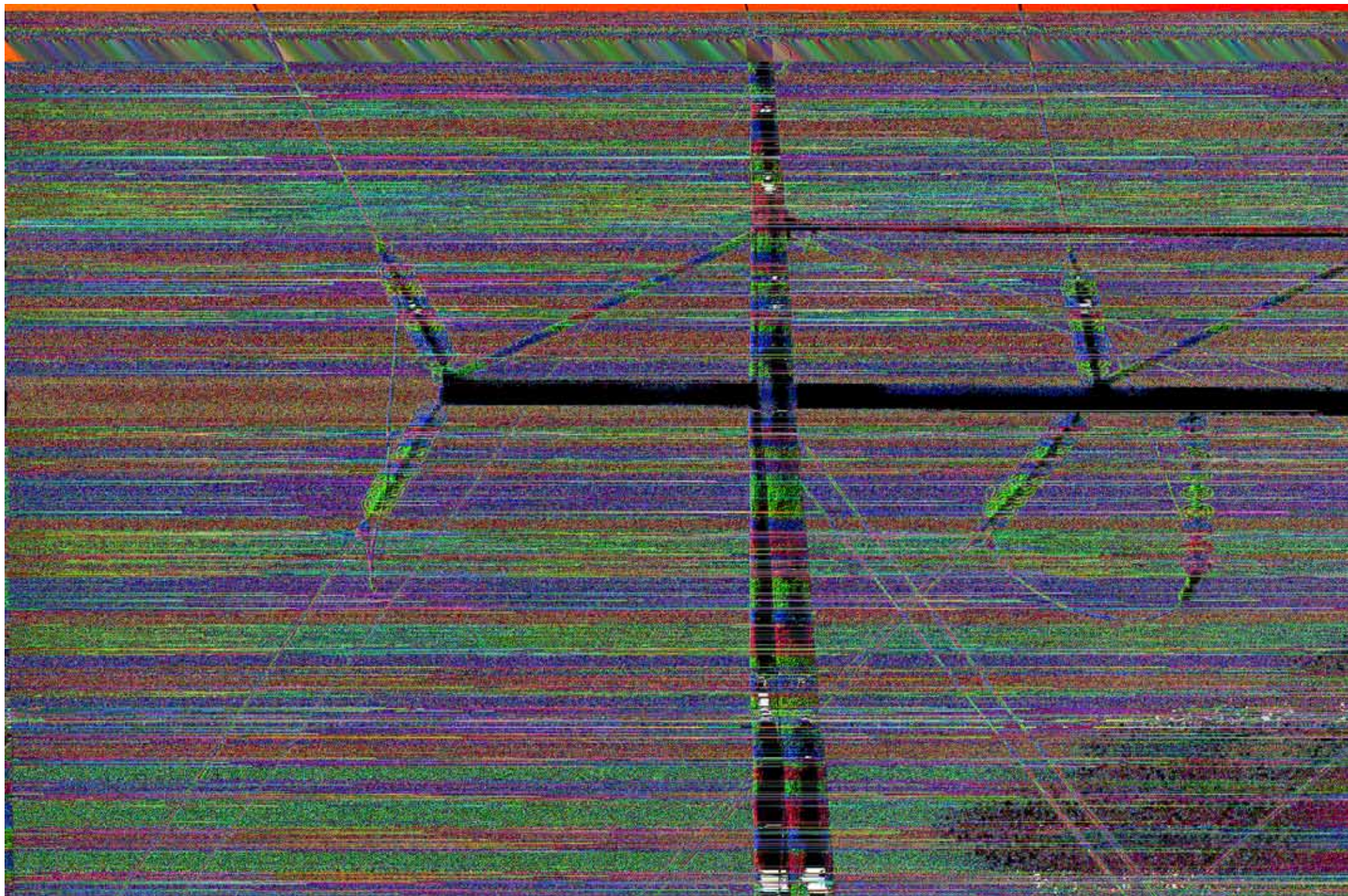


OPPLØSNING, 2015, JPG - ACDSEE

PNG

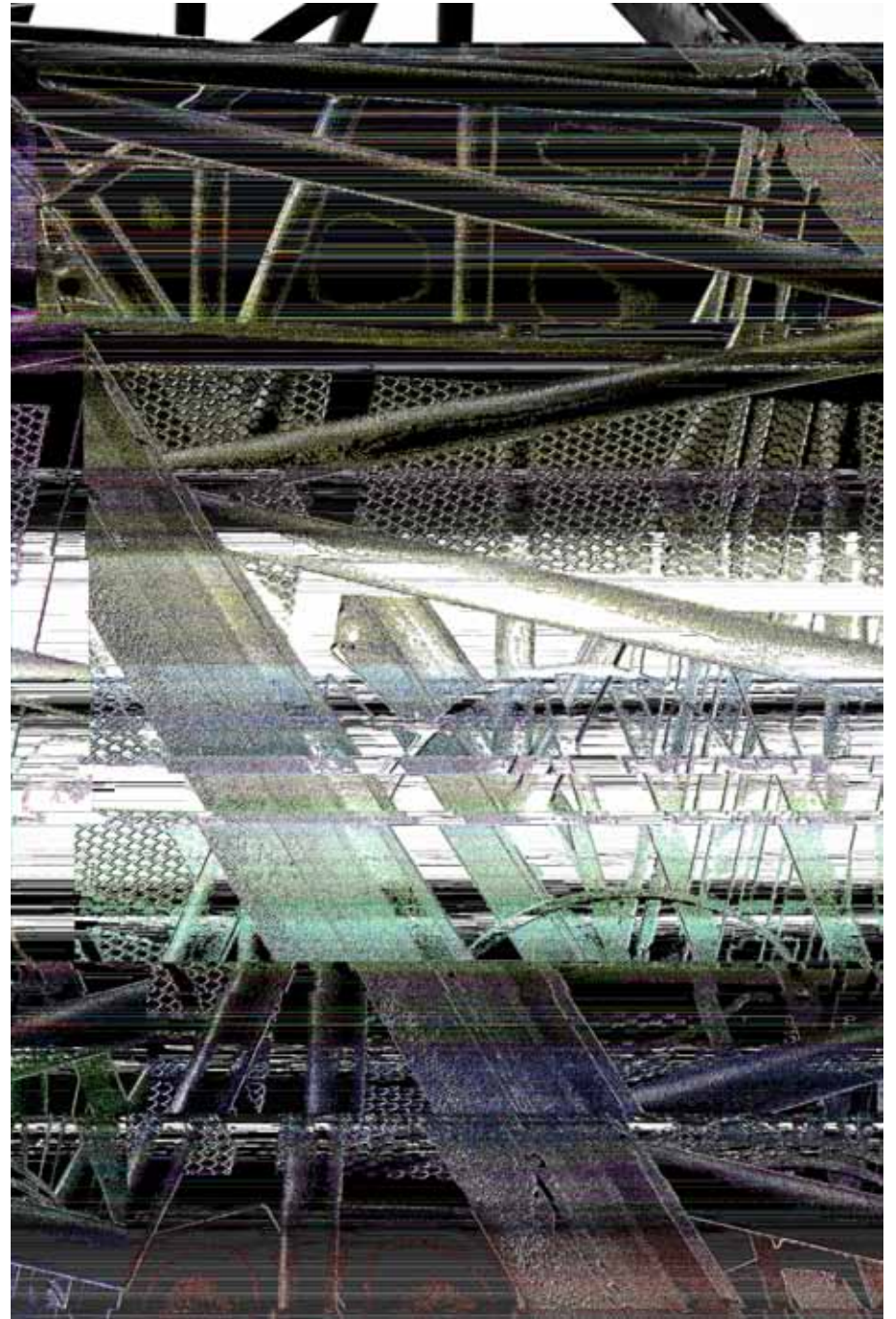
PORTABLE NETWORK GRAPHICS





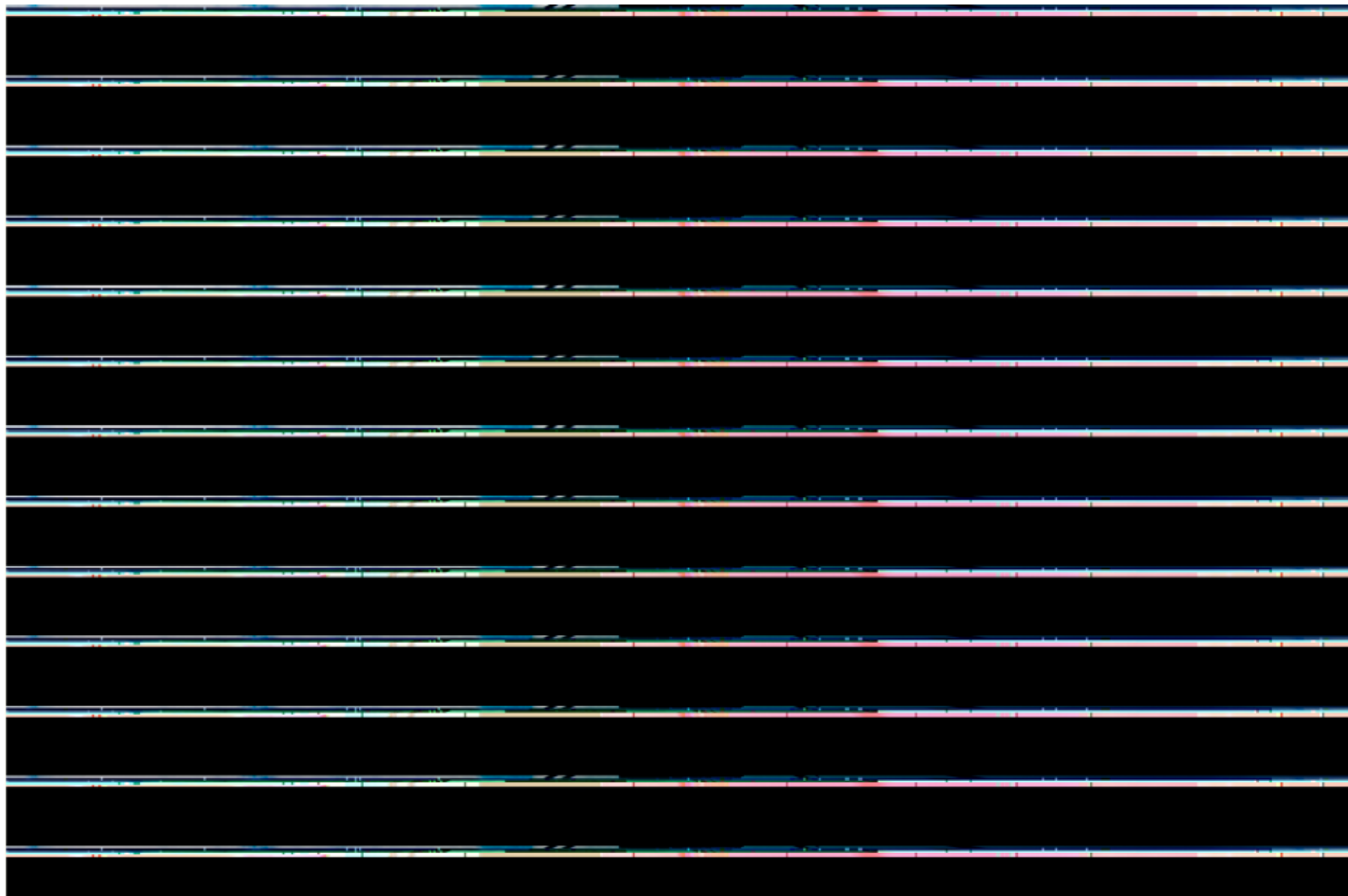


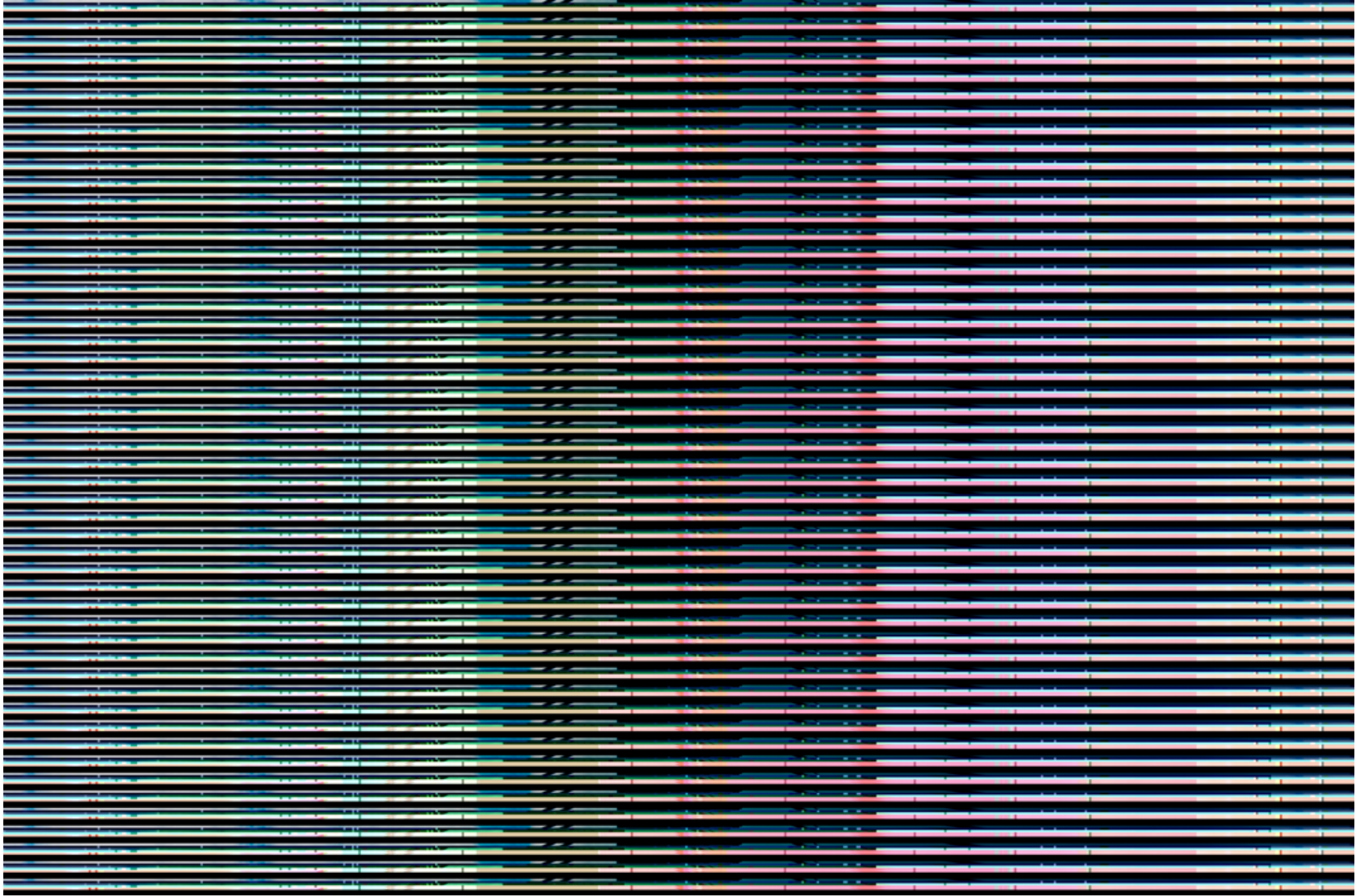
DETALJ, 2013, ORIGINAL JPG

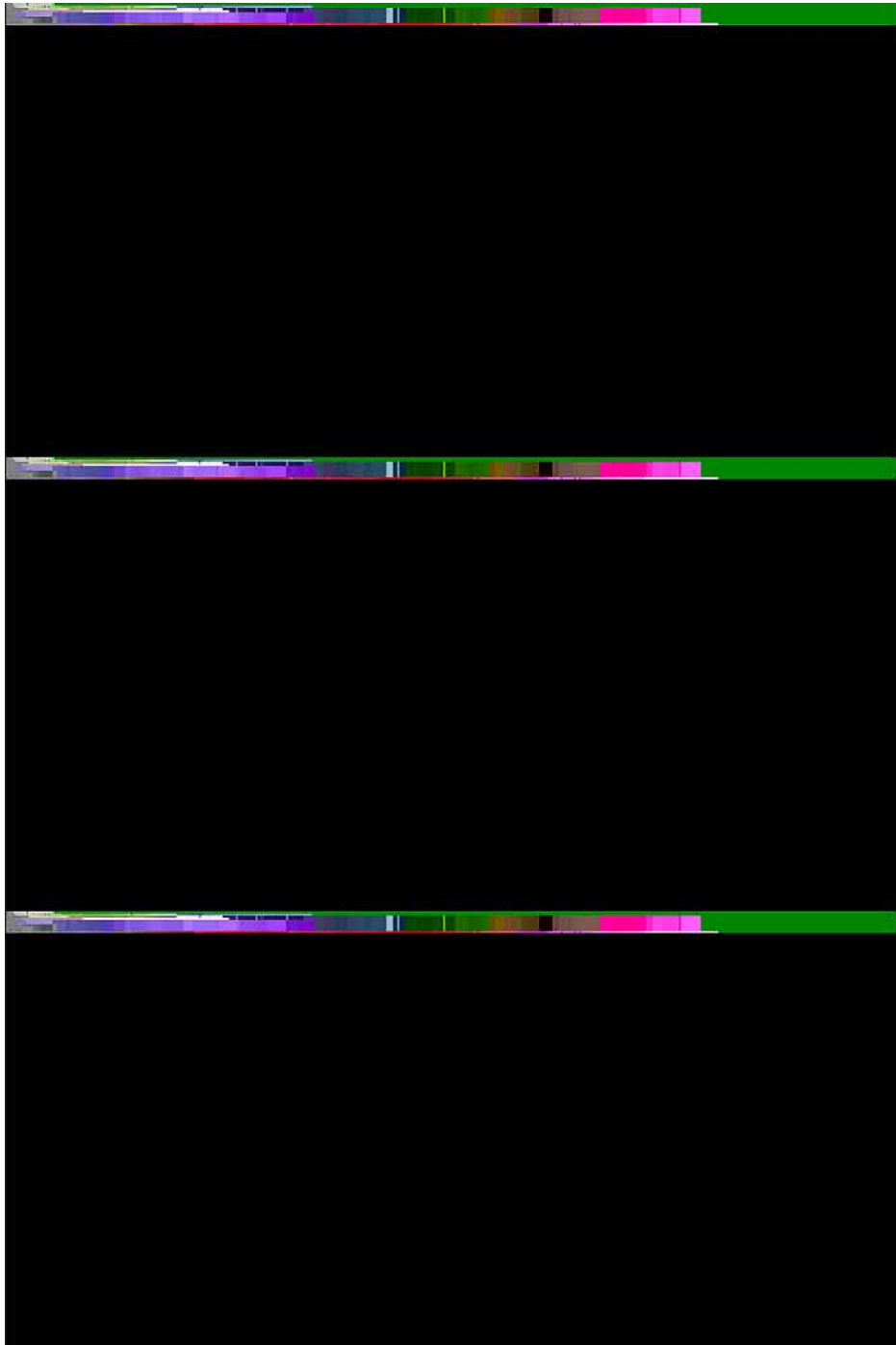


GIF + PNG

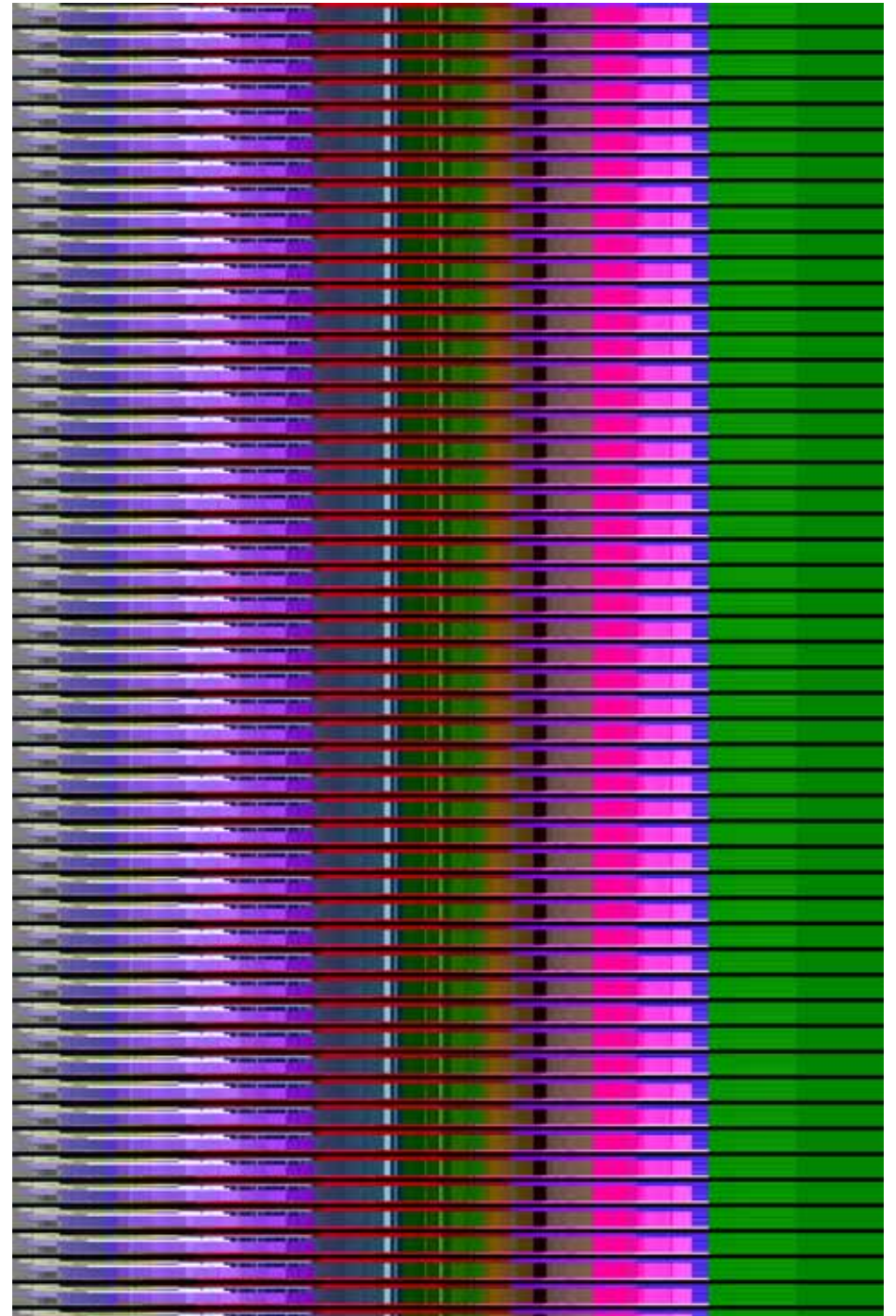
R E C O V E R Y







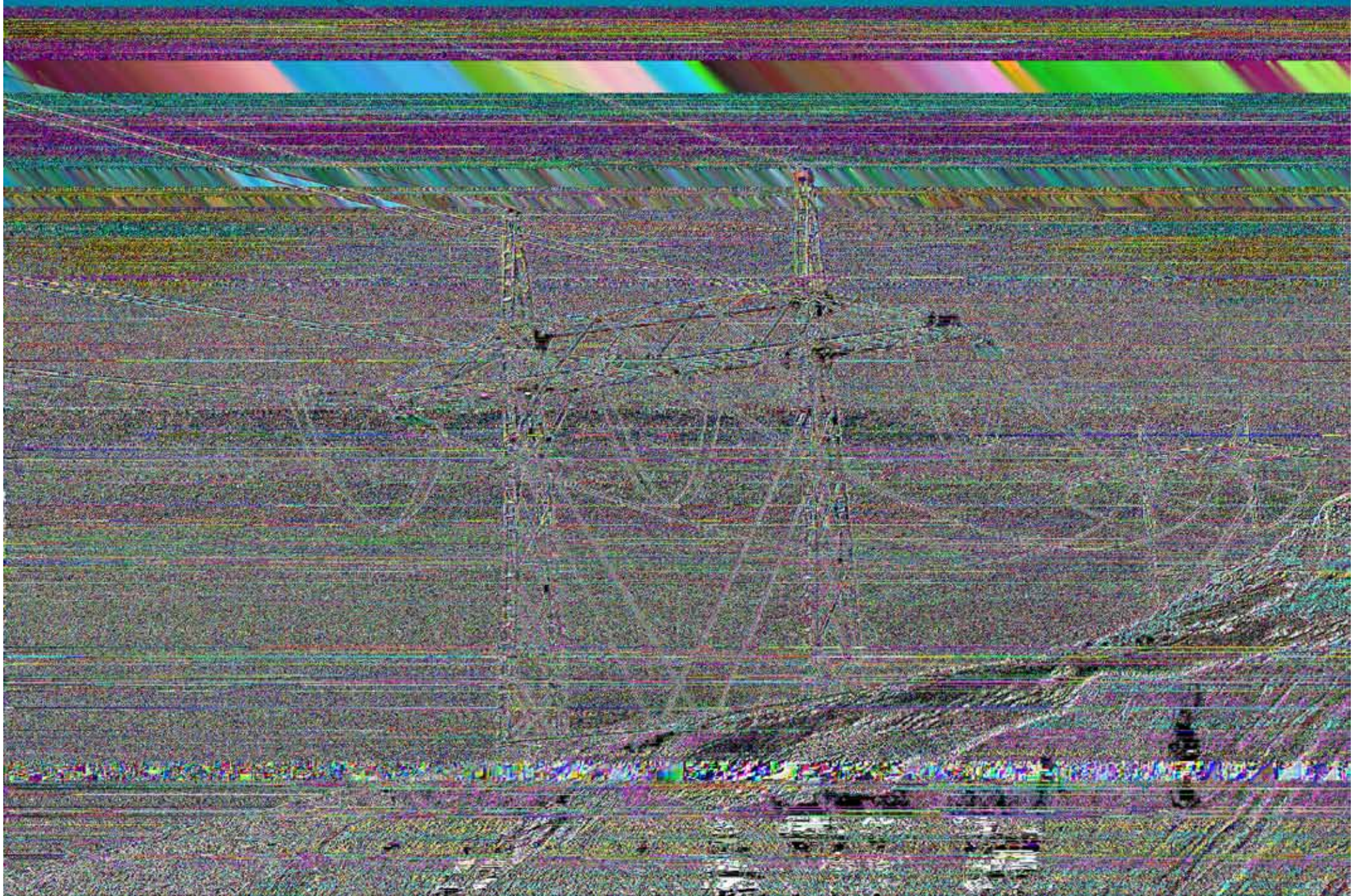
ACDSEE GLITCH



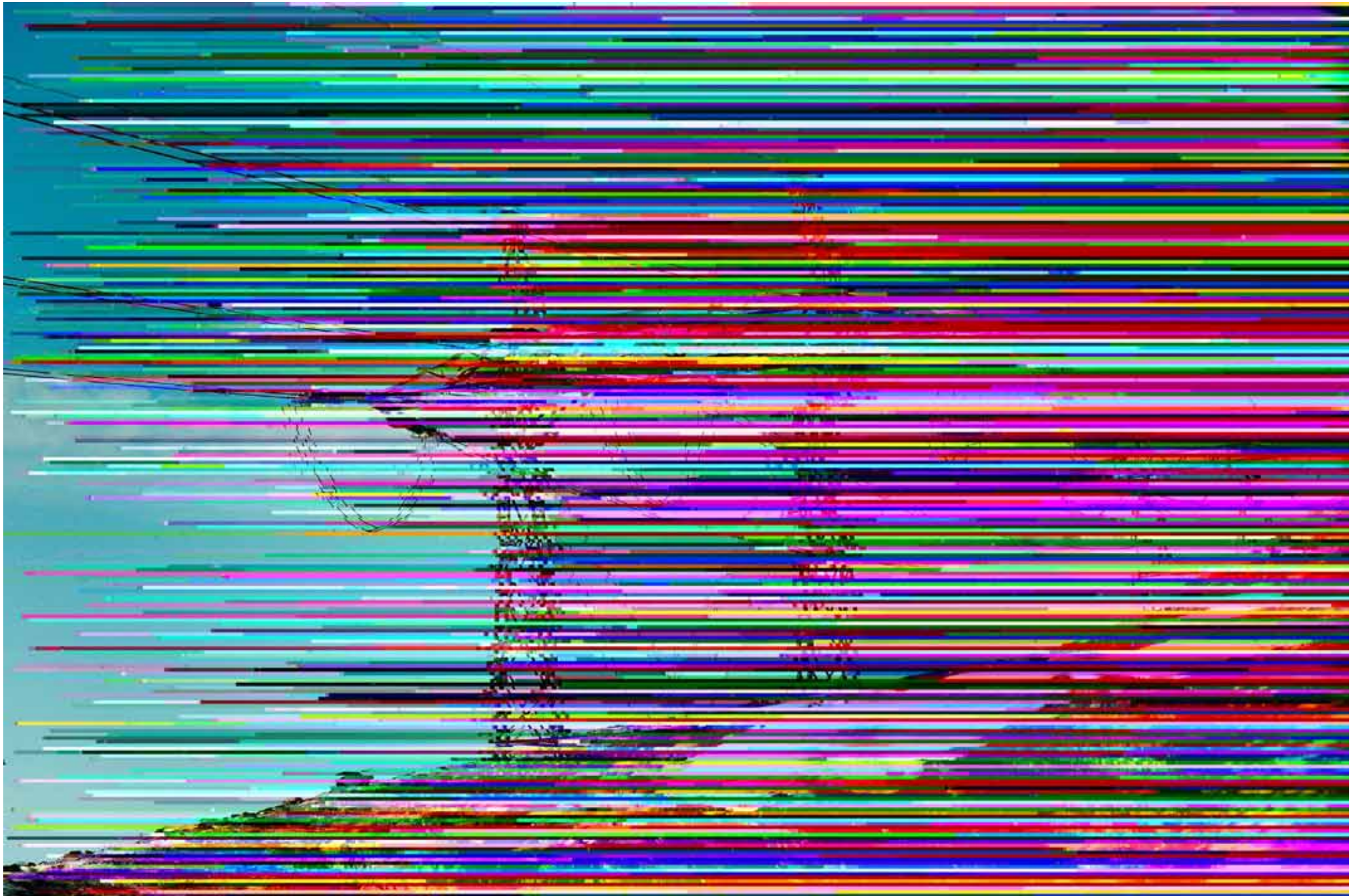
ACDSEE + PRTSCN



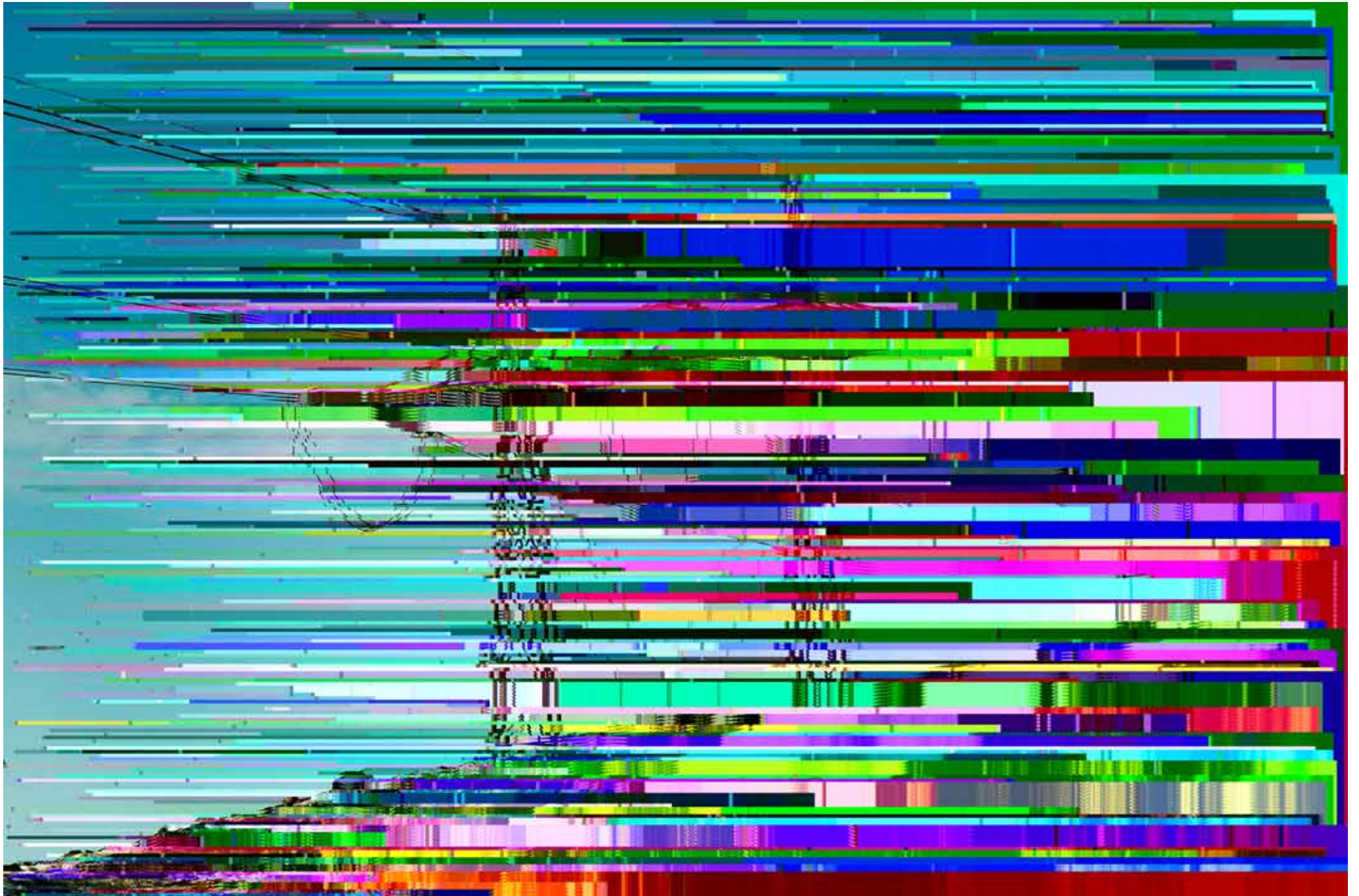
ORIGINAL JPG



PNG - PAINT



JPG - PHOTOSHOP



JPG - ACDSEE 5.0

Dec	Hex	Oct	Chr	Dec	Hex	Oct	HTML	Chr	Dec	Hex	Oct	HTML	Chr	Dec	Hex	Oct	HTML	Chr
0	0	000	NULL	32	20	040	 	Space	64	40	100	@	@	96	60	140	`	`
1	1	001	Start of Header	33	21	041	!	!	65	41	101	A	A	97	61	141	a	a
2	2	002	Start of Text	34	22	042	"	"	66	42	102	B	B	98	62	142	b	b
3	3	003	End of Text	35	23	043	#	#	67	43	103	C	C	99	63	143	c	c
4	4	004	End of Transmission	36	24	044	$	\$	68	44	104	D	D	100	64	144	d	d
5	5	005	Enquiry	37	25	045	%	%	69	45	105	E	E	101	65	145	e	e
6	6	006	Acknowledgment	38	26	046	&	&	70	46	106	F	F	102	66	146	f	f
7	7	007	Bell	39	27	047	'	'	71	47	107	G	G	103	67	147	g	g
8	8	010	Backspace	40	28	050	(	(	72	48	110	H	H	104	68	150	h	h
9	9	011	Horizontal Tab	41	29	051	)	)	73	49	111	I	I	105	69	151	i	i
10	A	012	Line feed	42	2A	052	*	*	74	4A	112	J	J	106	6A	152	j	j
11	B	013	Vertical Tab	43	2B	053	+	+	75	4B	113	K	K	107	6B	153	k	k
12	C	014	Form feed	44	2C	054	,	,	76	4C	114	L	L	108	6C	154	l	l
13	D	015	Carriage return	45	2D	055	-	-	77	4D	115	M	M	109	6D	155	m	m
14	E	016	Shift Out	46	2E	056	.	.	78	4E	116	N	N	110	6E	156	n	n
15	F	017	Shift In	47	2F	057	/	/	79	4F	117	O	O	111	6F	157	o	o
16	10	020	Data Link Escape	48	30	060	0	0	80	50	120	P	P	112	70	160	p	p
17	11	021	Device Control 1	49	31	061	1	1	81	51	121	Q	Q	113	71	161	q	q
18	12	022	Device Control 2	50	32	062	2	2	82	52	122	R	R	114	72	162	r	r
19	13	023	Device Control 3	51	33	063	3	3	83	53	123	S	S	115	73	163	s	s
20	14	024	Device Control 4	52	34	064	4	4	84	54	124	T	T	116	74	164	t	t
21	15	025	Negative Ack.	53	35	065	5	5	85	55	125	U	U	117	75	165	u	u
22	16	026	Synchronous idle	54	36	066	6	6	86	56	126	V	V	118	76	166	v	v
23	17	027	End of Trans. Block	55	37	067	7	7	87	57	127	W	W	119	77	167	w	w
24	18	030	Cancel	56	38	070	8	8	88	58	130	X	X	120	78	170	x	x
25	19	031	End of Medium	57	39	071	9	9	89	59	131	Y	Y	121	79	171	y	y
26	1A	032	Substitute	58	3A	072	:	:	90	5A	132	Z	Z	122	7A	172	z	z
27	1B	033	Escape	59	3B	073	;	;	91	5B	133	[	[	123	7B	173	{	{
28	1C	034	File Separator	60	3C	074	<	<	92	5C	134	\	\	124	7C	174	|	
29	1D	035	Group Separator	61	3D	075	=	=	93	5D	135	]	]	125	7D	175	}	}
30	1E	036	Record Separator	62	3E	076	>	>	94	5E	136	^	^	126	7E	176	~	~
31	1F	037	Unit Separator	63	3F	077	?	?	95	5F	137	_	_	127	7F	177		Del

asciichars.com

V I D E O

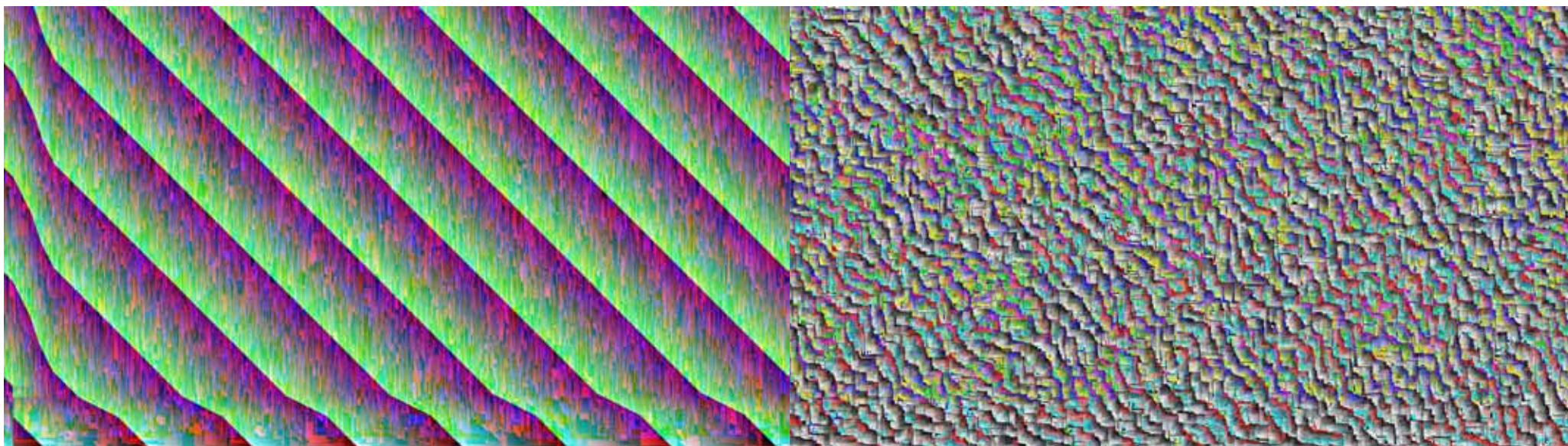
GLITCH PLUGINS

HEX-EDITOR - HACKING

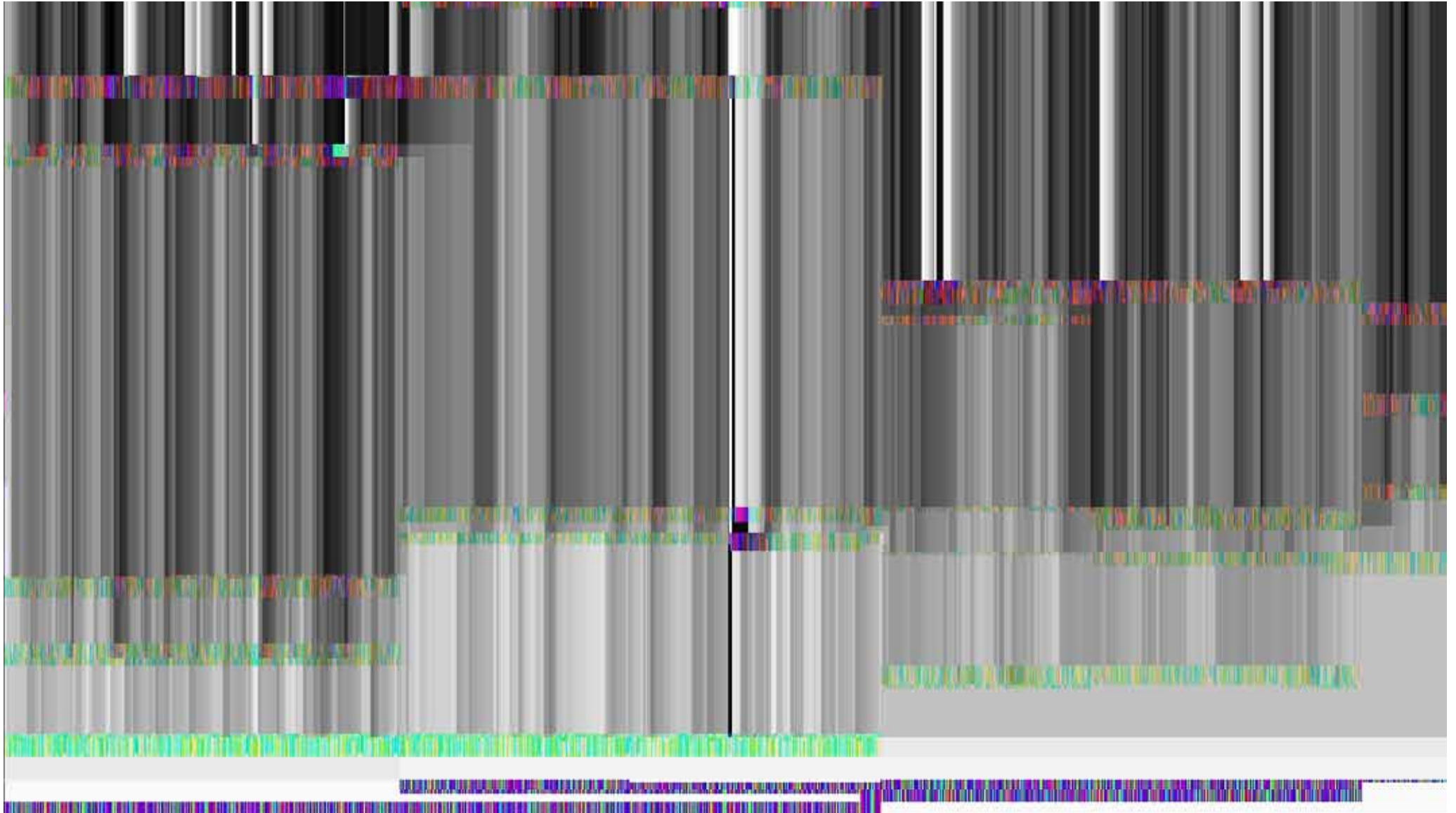
VIDEO DATABENDING

DATAMOSHING

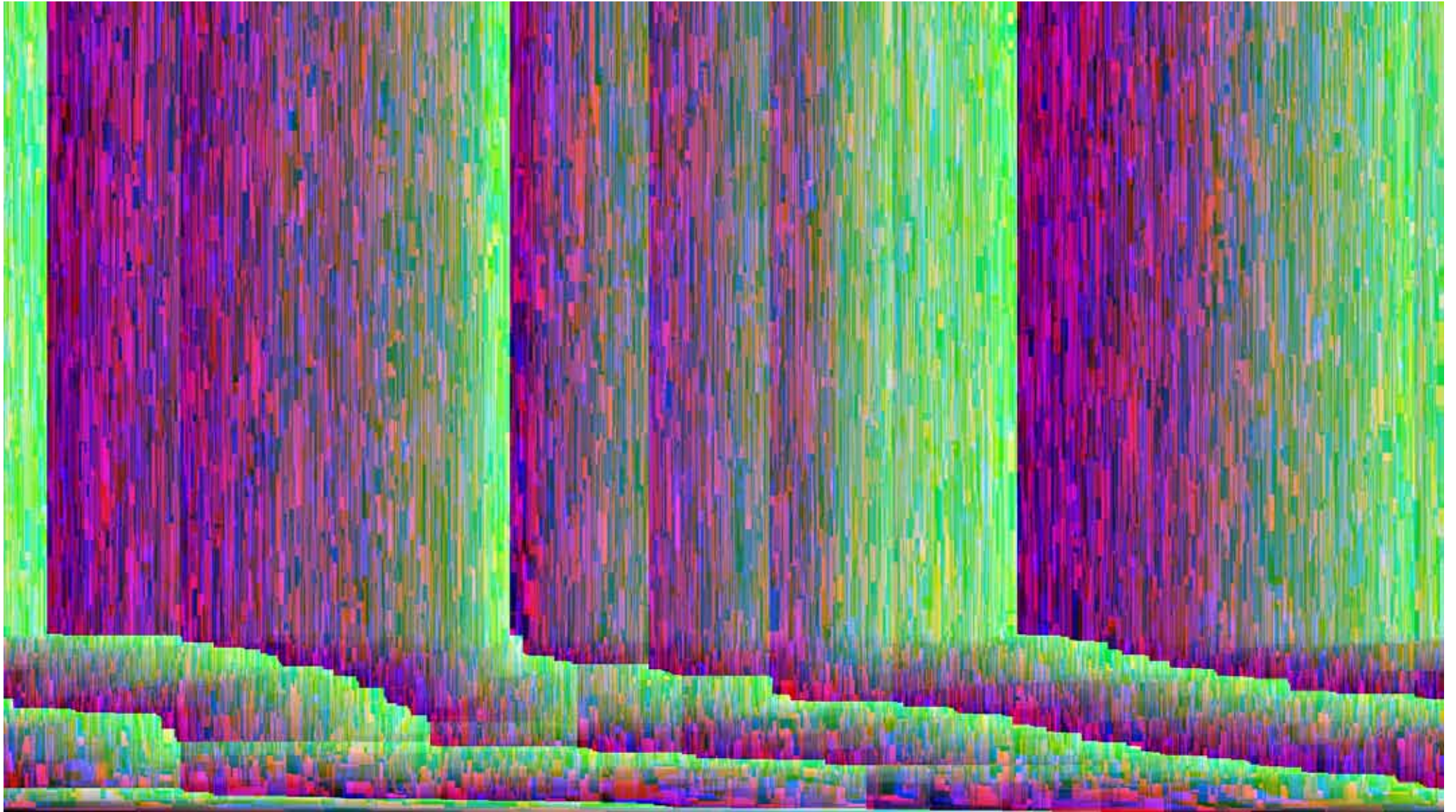
FORMAT: AVI, MP4 OG WMV



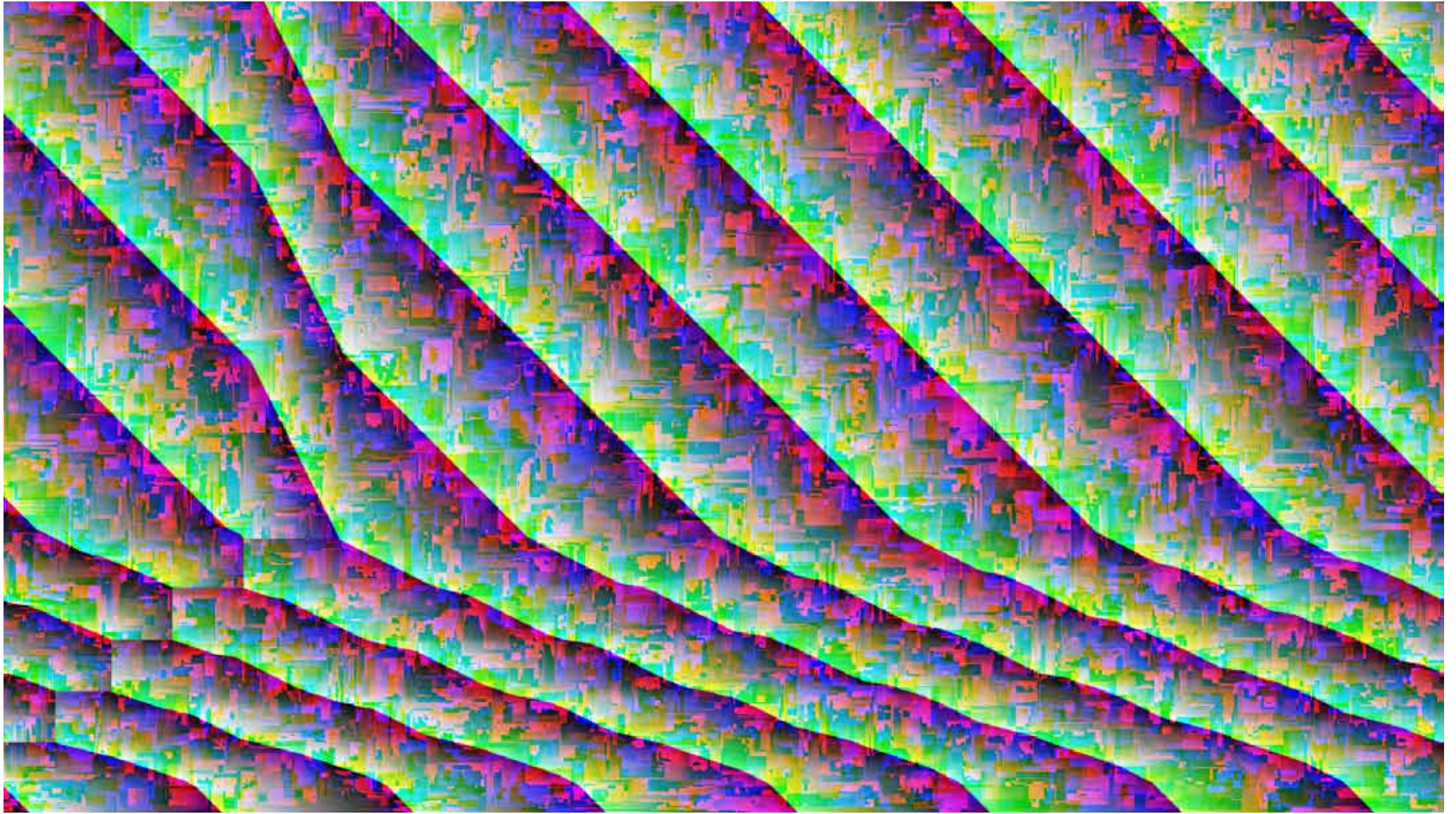
AVI



RED GIANT VIDEO PLUGIN - ADOBE PREMIERE CS5.5



RED GIANT VIDEO PLUGIN - ADOBE PREMIERE CS5.5 - HACKED

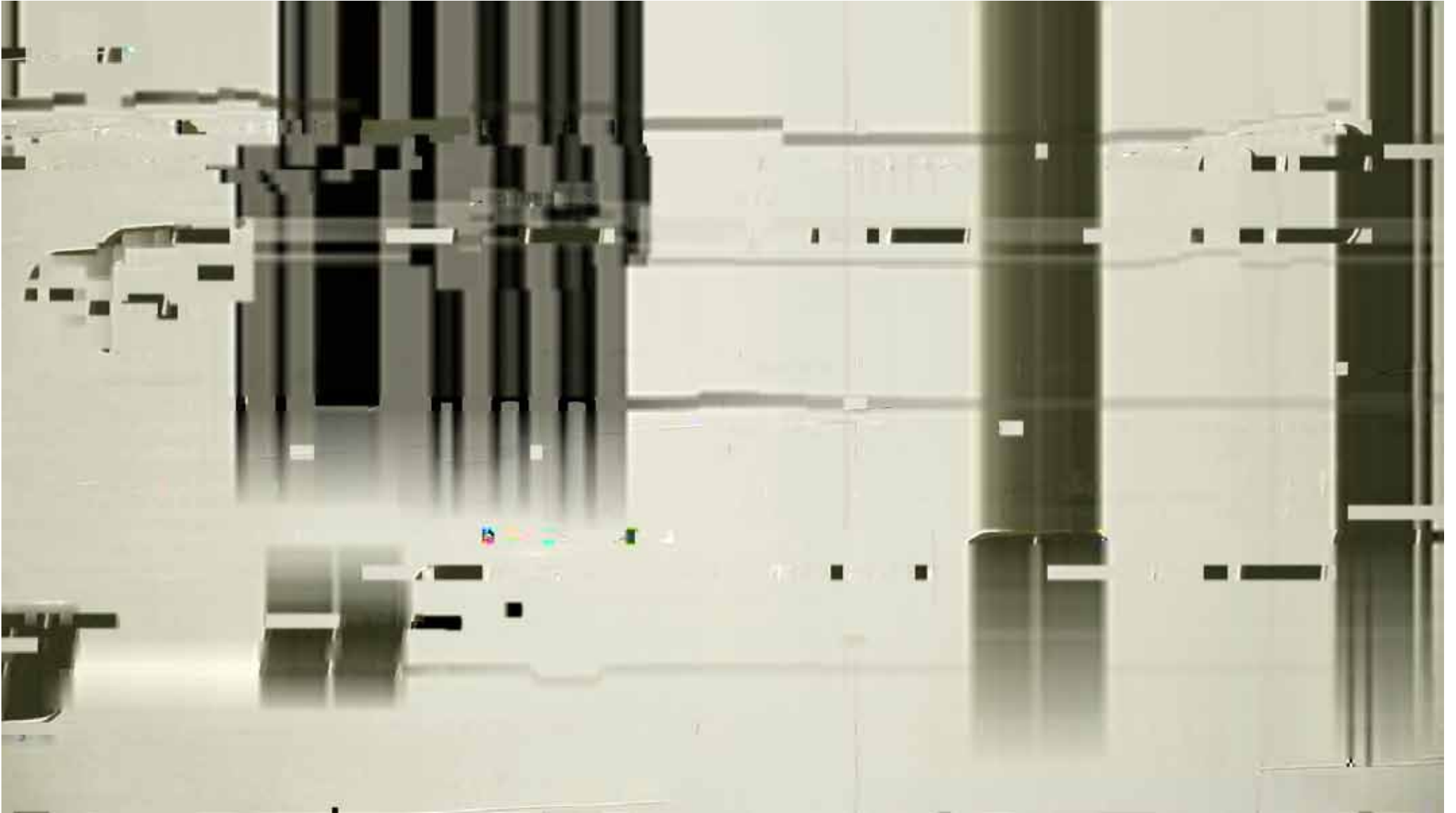


LANDSTRØM, FUKT, MUSIC VIDEO, AVI



LANDSTRØM, FUKT, MUSIC VIDEO, AVI

MP4



LANDSTRØM, FUKT, MUSIC VIDEO, MP4



LANDSTRØM, FUKT, MUSIC VIDEO, MP4

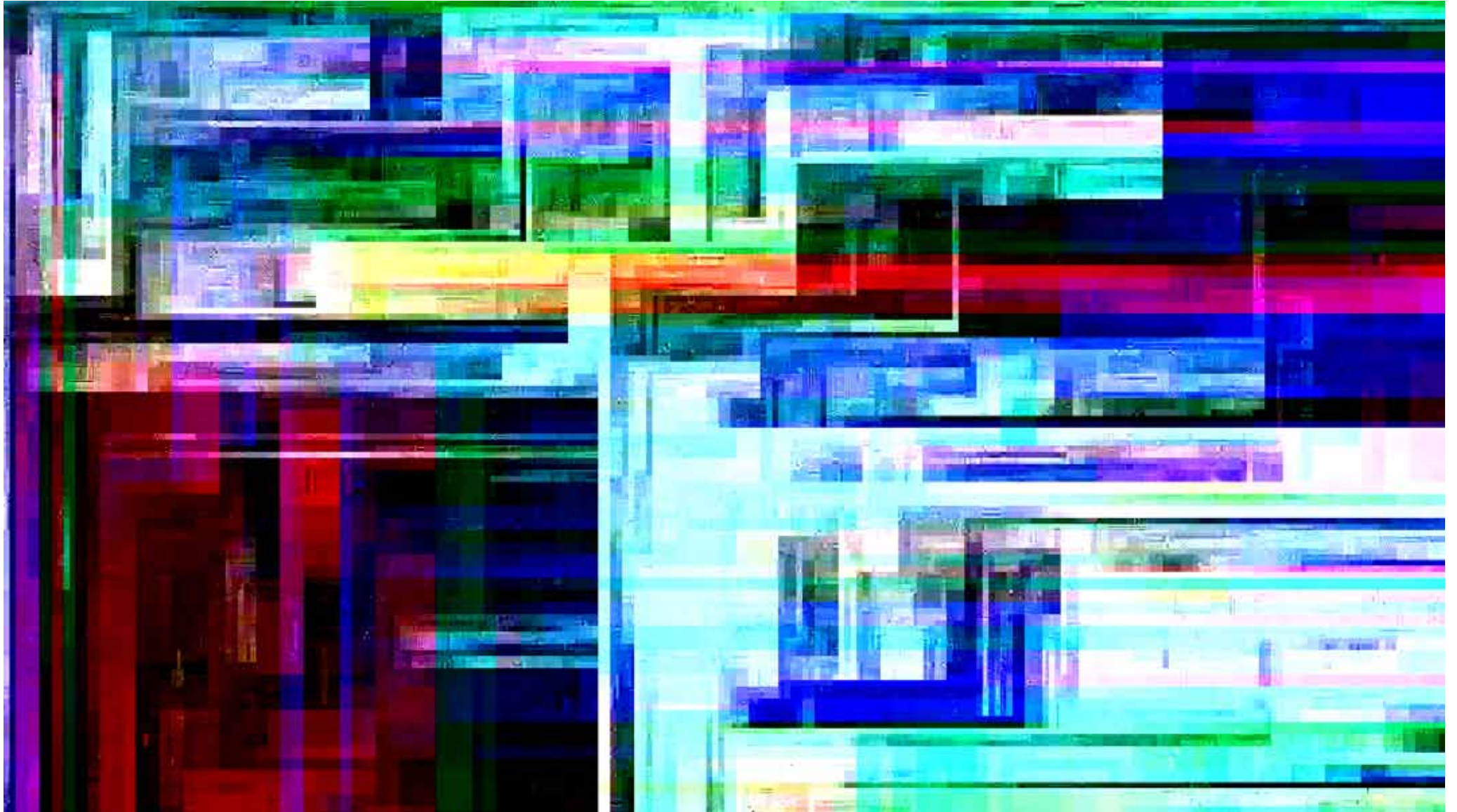


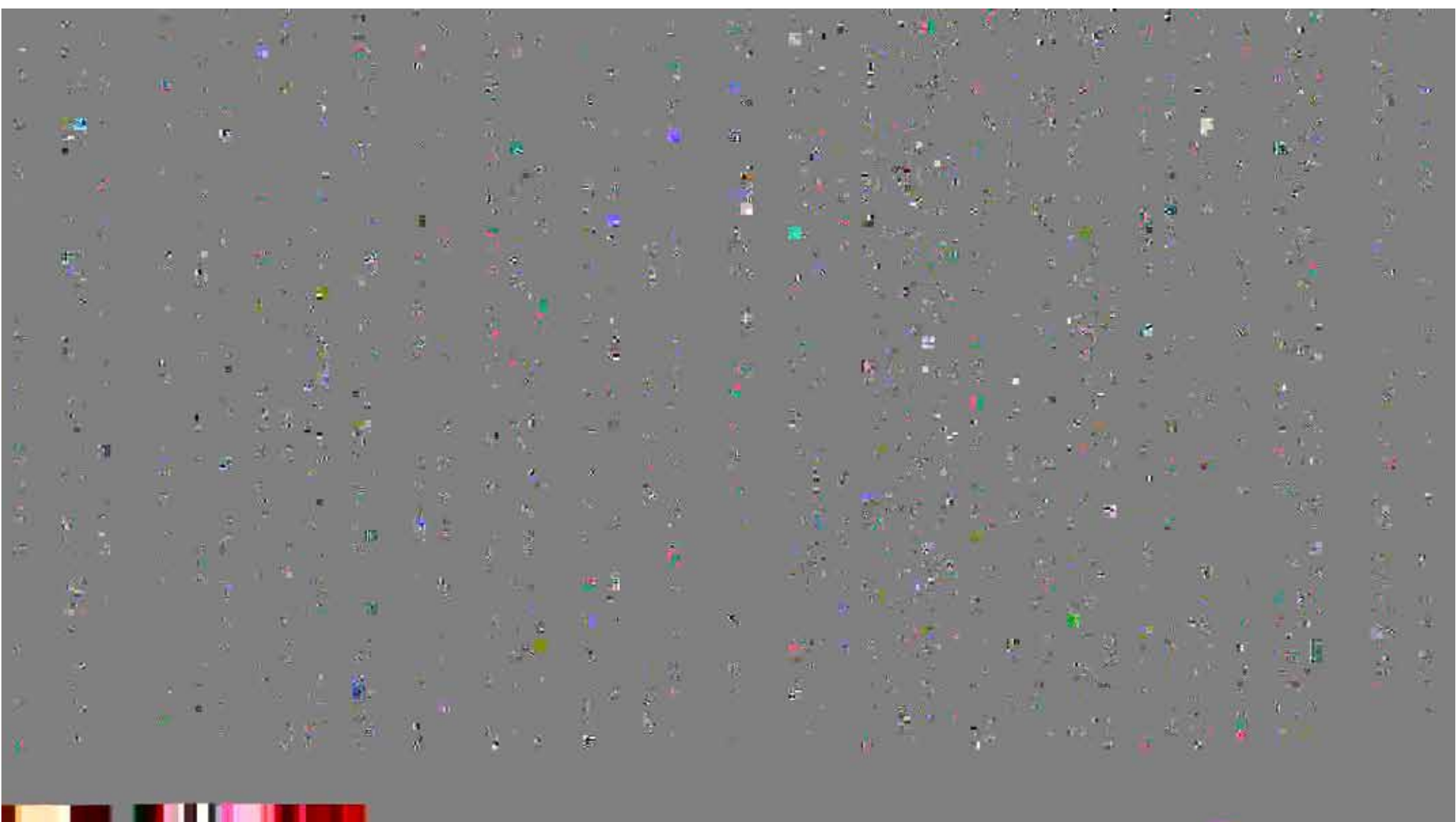
APIDAE, MUSIC VIDEO, MP4



APIDAE, MUSIC VIDEO, MP4

WMV





CHRISTIAN BØEN

f.1978 i Ålesund

KORT BIOGRAFI

- 16 år i Bergen (1999+)
- 10 år i Volda (1984 – 1995)
- 10 år i Ålesund (1978 – 1984/1995 -1999)
- Begynte med animasjonsfilm da jeg var 12 år (levende bilde for barn og unge via Distriktshøgskolen i Volda)
- Kjøpte lydkort og fant ut at det gikk an å lage musikk på PC når jeg var 14 år
- Gikk på video- og animasjonskurs på kveldene etter ungdomskolen med lærere fra animasjon- og dokumentarlinjen på DH – Distriktshøgskolen i Volda

UTDANNING

1999 – 2003 Kunst- og designhøgskolen i Bergen, avdeling kunstakademiet

1997 – 1999 Ålesund kunsthøgskole

1994 – 1997 Tegning, form og farge



EXITIUM EXITIUM EXITIUM

EXITIUM EXITIUM EXITIUM

EXITIUM EXITIUM EXITIUM