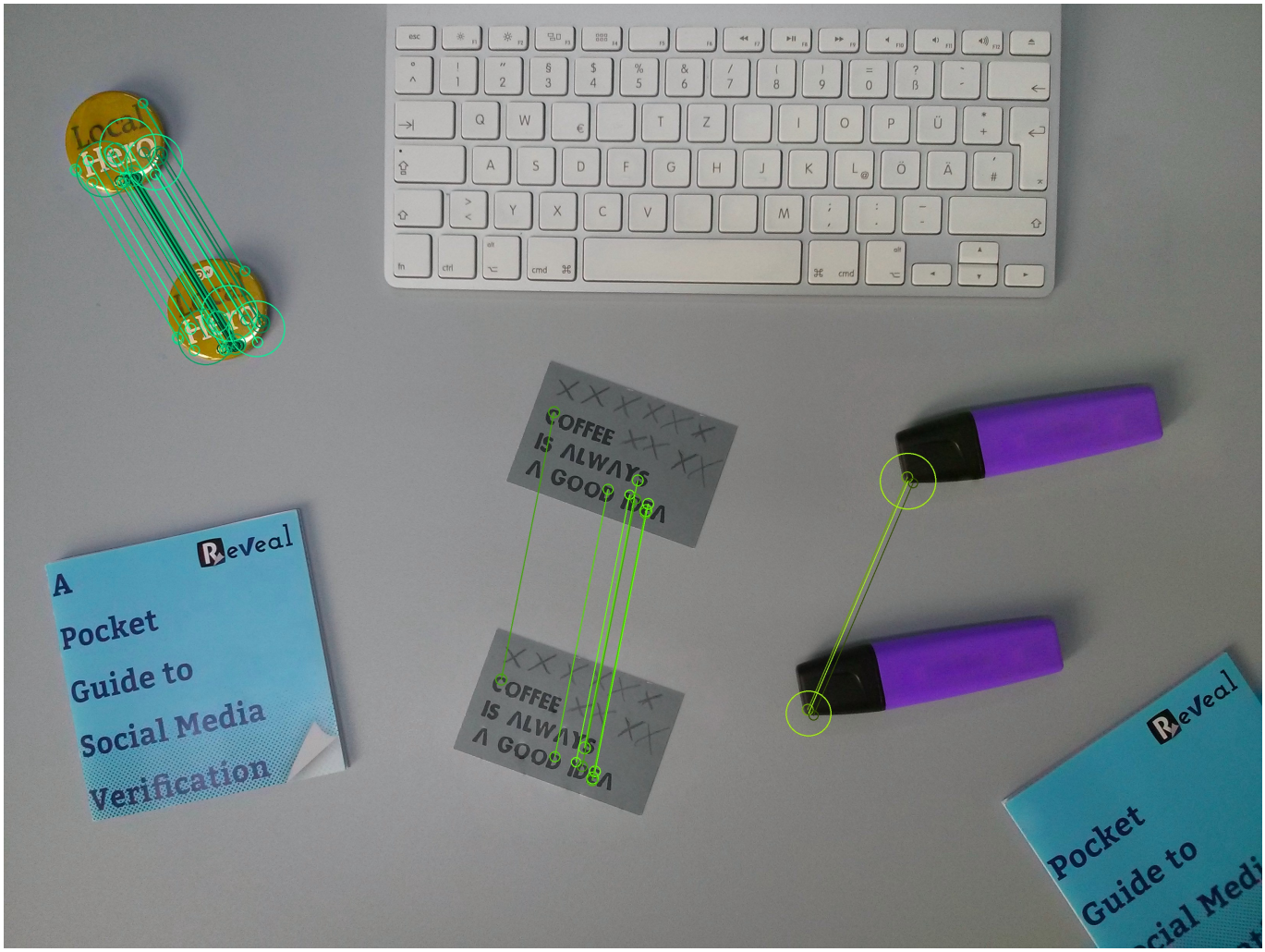
Image Forgery Detection Report

Report of demo3 (2023-05-21_19:39:15)

Image Forgery Detection Report

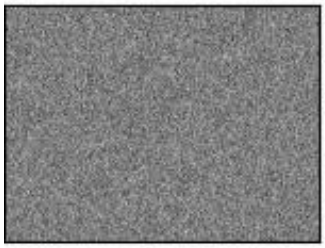
Clone Check



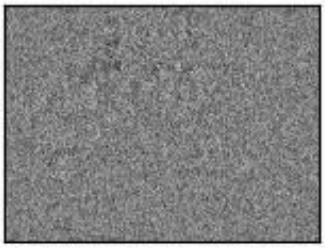
Error Level Analysis

Bit Wise Plane level Noise Analysis

Bit Plane 0



Bit Plane 1



Bit Plane 2

Bit Plane 3

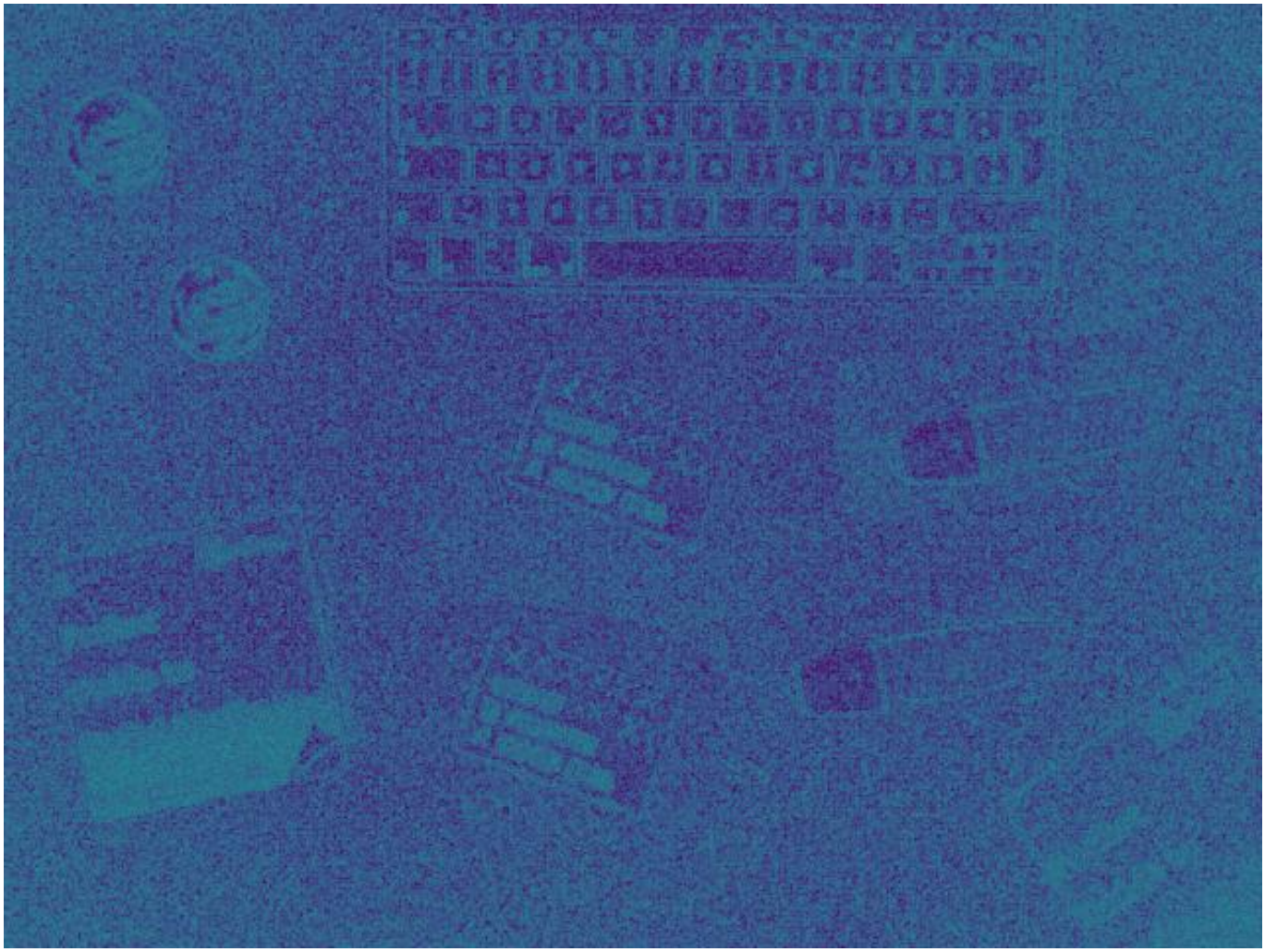
Bit Plane 4

Bit Plane 5

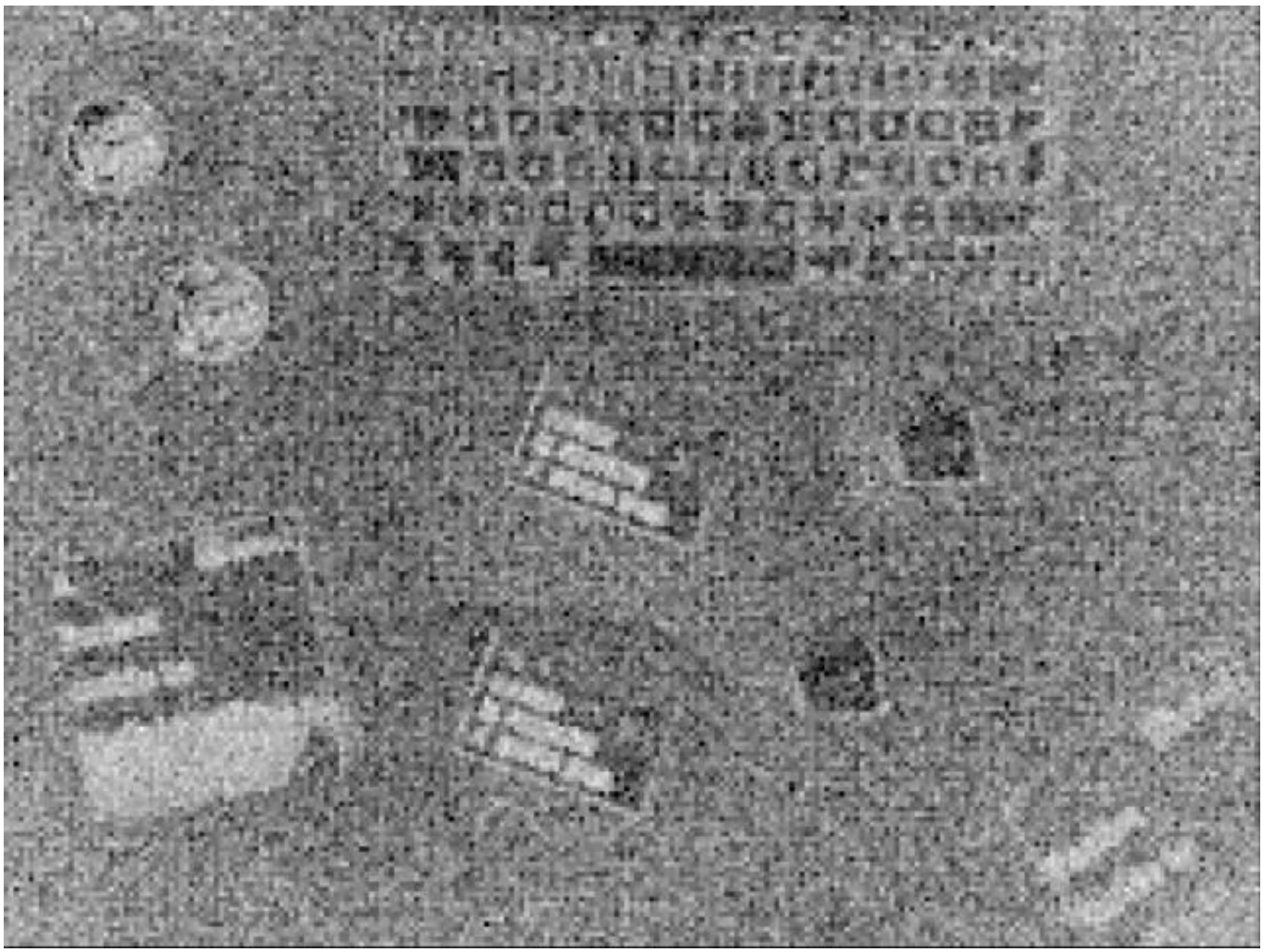
Bit Plane 6

Bit Plane 7

Median noise inconsistencies



Min Max Noise Analysis



EXIF Meta Data

SourceFile: C:/Users/sonpi/OneDrive/Documents/Labs/CSDF Project/exports/demo3_2023-05-21/demo3.jpg

ExifTool:ExifToolVersion: 12.62

File:FileName: demo3.jpg

File:Directory: C:/Users/sonpi/OneDrive/Documents/Labs/CSDF Project/exports/demo3_2023-05-21

File:FileSize: 1350911

File:FileModifyDate: 2023:05:21 19:39:15+05:30

File:FileAccessDate: 2023:05:21 19:39:35+05:30

File:FileCreateDate: 2023:05:21 19:39:15+05:30

File:FilePermissions: 100666

File:FileType: JPEG

File:FileTypeExtension: JPG

File:MIMEType: image/jpeg

File:ExifByteOrder: MM

File:CurrentIPTCDigest: e41911299110495df167a617725fe7b2

File:ImageWidth: 3264

File:ImageHeight: 2448

File:EncodingProcess: 0

File:BitsPerSample: 8

File:ColorComponents: 3

File:YCbCrSubSampling: 1 1

EXIF:ImageWidth: 3264

EXIF:ImageHeight: 2448

EXIF:BitsPerSample: 8 8 8

EXIF:PhotometricInterpretation: 2

EXIF:Make: LGE

EXIF:Model: Nexus 4

EXIF:Orientation: 1

EXIF:SamplesPerPixel: 3

EXIF:XResolution: 72

EXIF:YResolution: 72

EXIF:ResolutionUnit: 2

EXIF:Software: Adobe Photoshop CS6 (Macintosh)

EXIF:ModifyDate: 2015:08:19 12:51:38

EXIF:YCbCrPositioning: 1

EXIF:ExposureTime: 0.02

EXIF:FNumber: 2.65

EXIF:ISO: 100

EXIF:ExifVersion: 0220

EXIF:DateTimeOriginal: 2015:08:12 10:50:07

EXIF:CreateDate: 2015:08:12 10:50:07

EXIF:ComponentsConfiguration: 1 2 3 0

EXIF:ShutterSpeedValue: 0.0200000026308365

EXIF:ApertureValue: 2.50532887724826

EXIF:Flash: 0

EXIF:FocalLength: 4.6

EXIF:SubSecTime: 465

EXIF:SubSecTimeOriginal: 465

EXIF:SubSecTimeDigitized: 465

EXIF:FlashpixVersion: 0100

EXIF:ColorSpace: 65535

EXIF:ExifImageWidth: 3264

EXIF:ExifImageHeight: 2448

EXIF:WhiteBalance: 0

EXIF:Compression: 6

EXIF:ThumbnailOffset: 698

EXIF:ThumbnailLength: 6992

EXIF:ThumbnailImage: (Binary data 6992 bytes, use -b option to extract)

IPTC:CodedCharacterSet: %G

IPTC:ApplicationRecordVersion: 0

IPTC:DateCreated: 2015:08:12

IPTC:TimeCreated: 10:50:07+00:00

Photoshop:IPTCDigest: e41911299110495df167a617725fe7b2

Photoshop:XResolution: 72

Photoshop:DisplayedUnitsX: 1

Photoshop:YResolution: 72

Photoshop:DisplayedUnitsY: 1

Photoshop:PrintStyle: 0

Photoshop:PrintPosition: 0 0

Photoshop:PrintScale: 1

Photoshop:GlobalAngle: 30

Photoshop:GlobalAltitude: 30

Photoshop:URL_List: []

Photoshop:SlicesGroupName: IMG_20150812_105006_Nex4_manip

Photoshop:NumSlices: 1

Photoshop:PixelAspectRatio: 1

Photoshop:PhotoshopThumbnail: (Binary data 6992 bytes, use -b option to extract)

Photoshop:HasRealMergedData: 1

Photoshop:WriterName: Adobe Photoshop

Photoshop:ReaderName: Adobe Photoshop CS6

Photoshop:PhotoshopQuality: 6

Photoshop:PhotoshopFormat: 0

XMP:XMPToolkit: Adobe XMP Core 5.3-c011 66.145661, 2012/02/06-14:56:27

XMP:ModifyDate: 2015:08:19 12:51:38+02:00

XMP:CreateDate: 2015:08:12 10:50:07

XMP:MetadataDate: 2015:08:19 12:51:38+02:00

XMP:DateCreated: 2015:08:12 10:50:07.465

XMP:ColorMode: 3

XMP:DocumentID: CF0183AD34DD115B7C50C8BD0A433084

XMP:InstanceID: xmp.iid:8B8D502A2B206811822AAD1CF7D39F90

XMP:OriginalDocumentID: CF0183AD34DD115B7C50C8BD0A433084

XMP:Format: image/jpeg

XMP:HistoryAction: ['saved', 'saved']

XMP:HistoryInstanceID: ['xmp.iid:878D502A2B206811822AAD1CF7D39F90', 'xmp.iid:8B8D502A2B206811822AAD1CF7D39F90']

XMP:HistoryWhen: ['2015:08:19 12:27:29+02:00', '2015:08:19 12:51:38+02:00']

XMP:HistorySoftwareAgent: ['Adobe Photoshop CS6 (Macintosh)', 'Adobe Photoshop CS6 (Macintosh)']

XMP:HistoryChanged: ['/', '/']

APP14:DCTEncodeVersion: 100

APP14:APP14Flags0: 16384

APP14:APP14Flags1: 0

APP14:ColorTransform: 1

Composite:Aperture: 2.65

Composite:ImageSize: 3264 2448

Composite:Megapixels: 7.990272

Composite:ShutterSpeed: 0.02

Composite:SubSecCreateDate: 2015:08:12 10:50:07.465

Composite:SubSecDateTimeOriginal: 2015:08:12 10:50:07.465

Composite:SubSecModifyDate: 2015:08:19 12:51:38.465

Composite:DateTimeCreated: 2015:08:12 10:50:07+00:00

Composite:FocalLength35efl: 4.6

Composite:LightValue: 8.4558409091264