

**01.03.2023**

**Mond**

Beobachtungsort: Marburg-Schröck  
Kamera: ZWO Kamera ASI 462 MC Color  
Teleskop: MC 152/1900 (F~2450mm)  
Montierung: EQ5 SYNSCAN

**MEZ**

17:24

Region **CLAVIUS**



Durchmesser: 29'57.6", Beleuchteter Anteil: 0.721

Libration in Breite: -5.38, Libration in Länge: 3.81

Capture Area Size = 1936 \* 1096, Capture Limit = 180s, EndCapture = 2023-03-01T17:28:31.478Z

Exposure = 2.564ms, FrameCount = 1467, Gain = 273, StartCapture = 2023-03-01T17:24:30.923Z

Verwendungsrate: 35% = 514 Frames

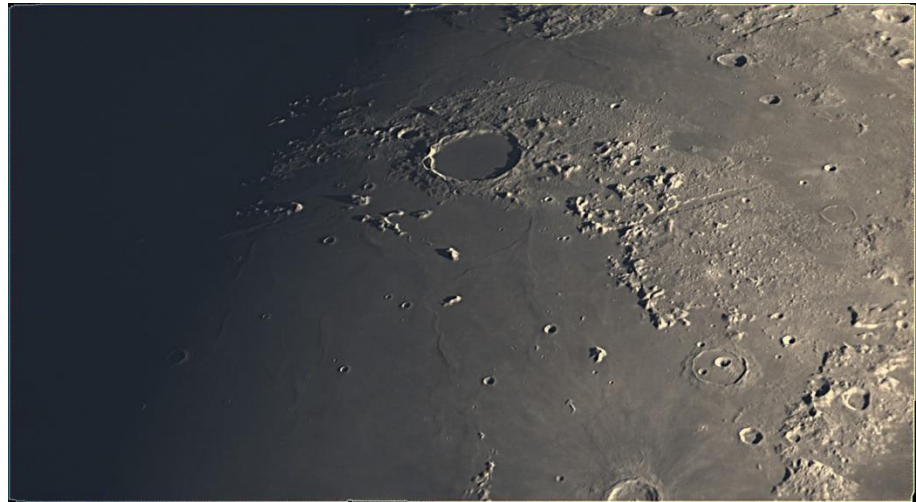
$H_{\odot} = +5^{\circ}36'$ ,  $H_{\text{Obj.}} = 49^{\circ}22'$ , Luft: II

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Region: **PLATO**



Capture Area Size = 1936 \* 1096, Capture Limit = 180s, EndCapture = 2023-03-01T17:54:12.218Z,  
Exposure = 3ms, FrameCount = 1069, Gain = 273, StartCapture = 2023-03-01T17:49:59.442Z

Verwendungsrate: 50% = 534 Frames

$H_{\odot} = +1^{\circ}57'$ ,  $H_{Obj} = 52^{\circ}57'$ , Luft: (I-) II

17:54

Region: **ARCHIMEDES**



Capture Area Size = 1936 \* 1096, Capture Limit = 180s, EndCapture = 2023-03-01T18:00:56.626Z

Exposure = 3ms, FrameCount = 538, Gain = 273, StartCapture = 2023-03-01T17:54:21.930Z

Verwendungsrate: 35% = 186 Frames

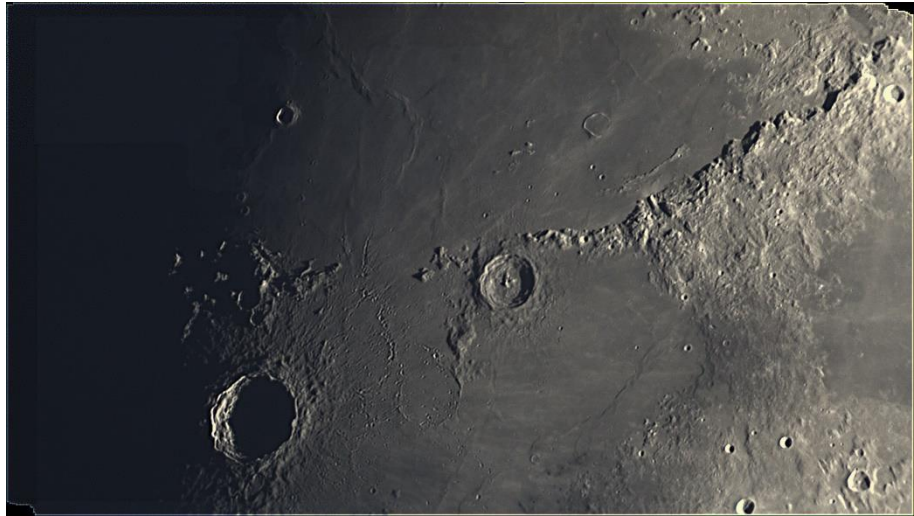
$H_{\odot} = +1^{\circ}15'$ ,  $H_{Obj} = 53^{\circ}38'$ , Luft: (I-) II

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Region: **ERATOSTHENES**



Capture Area Size = 1936 \* 1096, Capture Limit = 180s, EndCapture = 2023-03-01T18:04:56.564Z

Exposure = 4.629ms, FrameCount = 432, Gain = 273, StartCapture = 2023-03-01T18:01:01.135Z

Verwendungsrate: 50% = 216 Frames

$H_{\odot} = +0^{\circ}25'$ ,  $H_{Obj} = 54^{\circ}36'$ , Luft: II

18:11

Region: **COPERNICUS**



Capture Area Size = 1936 \* 1096, Capture Limit = 180s, EndCapture = 2023-03-01T18:14:24.738Z

Exposure = 5.016ms, FrameCount = 5747, Gain = 273, StartCapture = 2023-03-01T18:11:24.697Z

Verwendungsrate: 35% = 2011 Frames

$H_{\odot} = -1^{\circ}0'$ ,  $H_{Obj} = 55^{\circ}57'$ , Luft: II



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Region: **PTOLEMAEUS**



Capture Area Size = 1936 \* 1096, Capture Limit = 180s, EndCapture = 2023-03-01T18:22:31.119Z

Exposure = 5.016ms, FrameCount = 1171, Gain = 273, StartCapture = 2023-03-01T18:19:05.366Z

Verwendungsrate: 20% = 234 Frames

$H_{\odot} = -2^{\circ}27'$ ,  $H_{\text{Obj.}} = 57^{\circ}00'$ , Luft: II

18:23

Region: **BULLIALDUS**



Capture Area Size = 1936 \* 1096, Capture Limit = 180s, EndCapture = 2023-03-01T18:26:30.186Z

Exposure = 5.016ms, FrameCount = 1382, Gain = 273, StartCapture = 2023-03-01T18:22:53.617Z

Verwendungsrate: 35% = 483 Frames

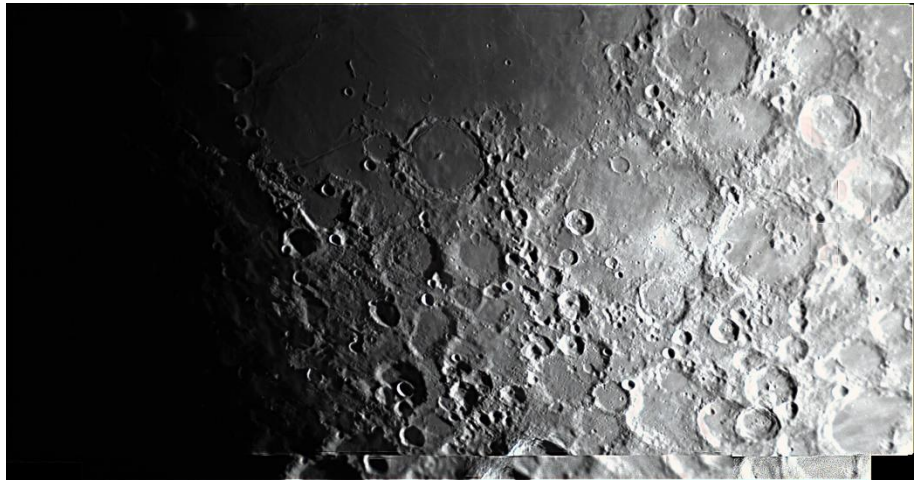
$H_{\odot} = -3^{\circ}18'$ ,  $H_{\text{Obj.}} = 57^{\circ}30'$ , Luft: II

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Region: **PITATUS**



[ZWO ASI462MC]

Capture Area Size = 1936 \* 1096, Capture Limit = 180s, EndCapture = 2023-03-01T18:34:48.657Z

Exposure = 5.016ms, FrameCount = 1533, Gain = 273, StartCapture = 2023-03-01T18:31:21.957Z

Verwendungsrate: 50% = 766 Frames

$H_{\odot} = -4^{\circ}50'$ ,  $H_{\text{Obj.}} = 58^{\circ}30'$ , Luft: II (-III)

18:35

Region: **CLAVIUS**

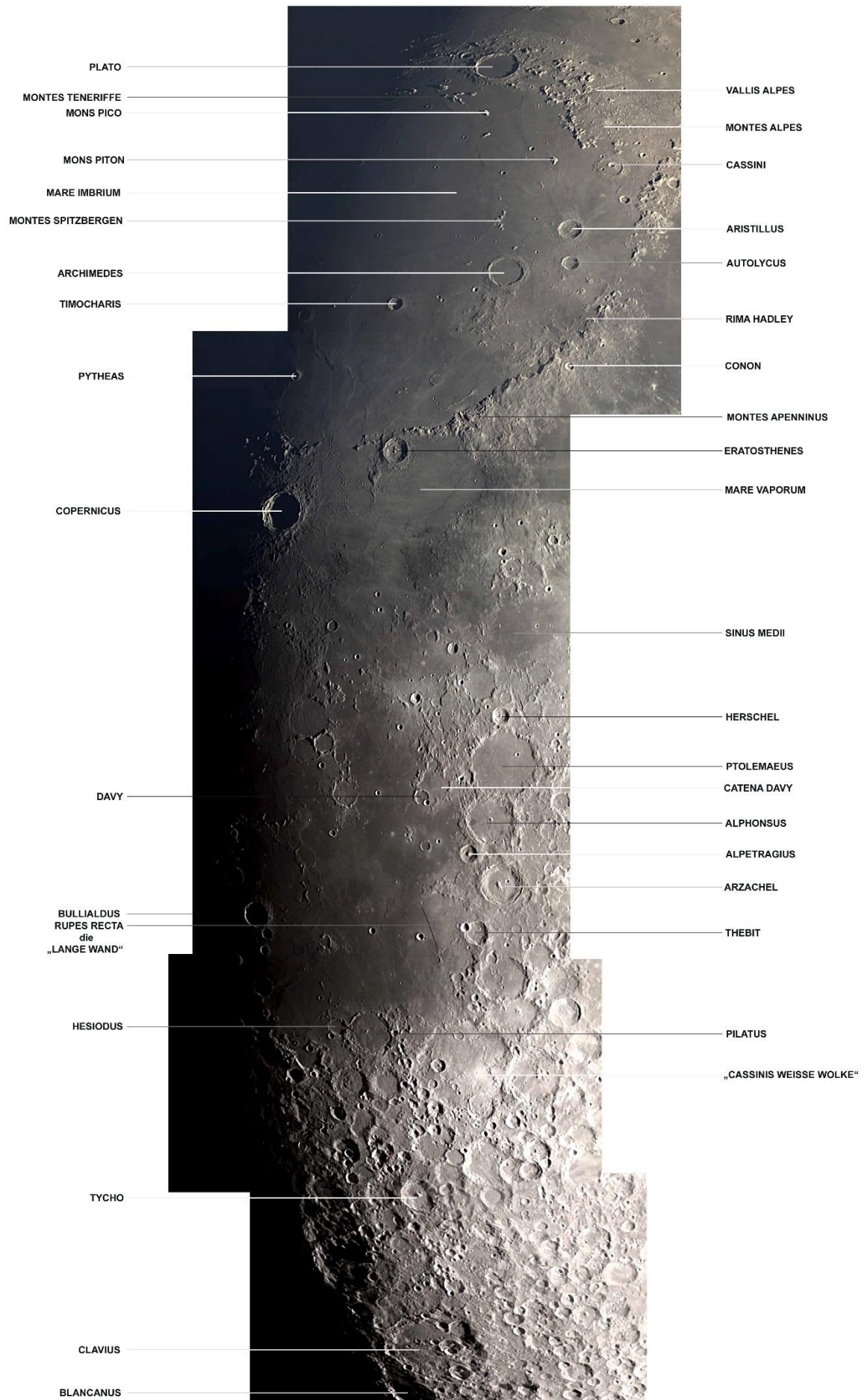


Capture Area Size = 1936 \* 1096, Capture Limit = 180s, EndCapture = 2023-03-01T18:38:59.546Z

Exposure = 5.016ms, FrameCount = 1334, Gain = 273, StartCapture = 2023-03-01T18:35:21.078Z

Verwendungsrate: 50% = 667 Frames

$H_{\odot} = -5^{\circ}20'$ ,  $H_{\text{Obj.}} = 58^{\circ}52'$ , Luft: (II-) III



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**Software:**

ASICap	Aufnahmesoftware
AutoStakkert	Stacking
RegiStax6	Schärfen
CS6	Montage und Beschriftung

**Antoniadi-Skala (Luftunruhe)**

- I = perfektes Bild, ohne die geringste Bildunruhe*
- II = leichte Wallungen, aber Phasen der Ruhe, die wenigstens einige Sekunden dauern.*
- III = mittelmäßige Luftunruhe, auffälliges Bildzittern.*
- IV = schlechtes Seeing, ständiges störendes Wabern.*
- V = sehr schlechtes Seeing, welches kaum sinnvolle Beobachtungen zulassen.*