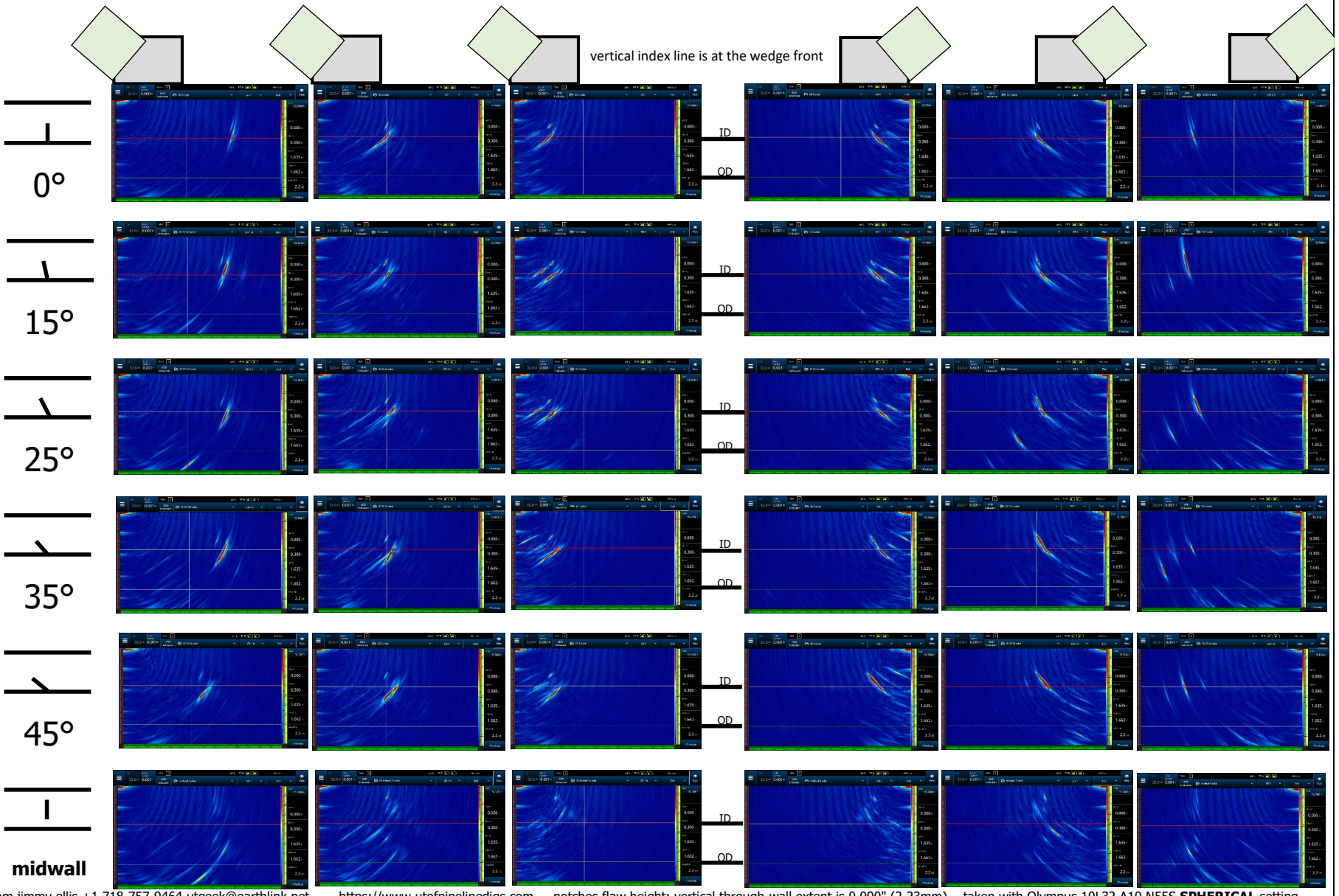
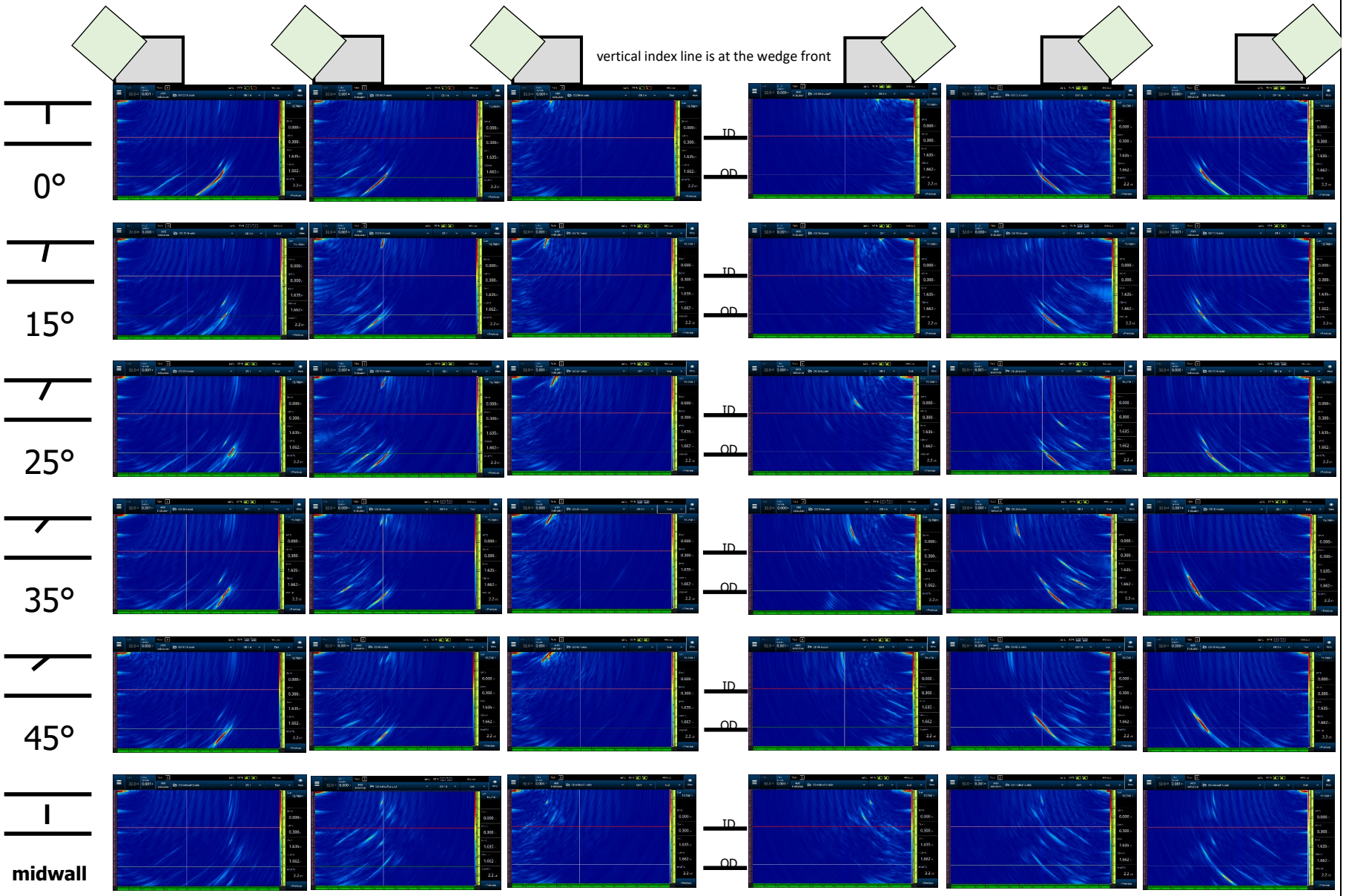
TFM tt of ID notches on 0.300" (7.62mm) thick notch blocks with a 0.75" (19.05mm) deep screen



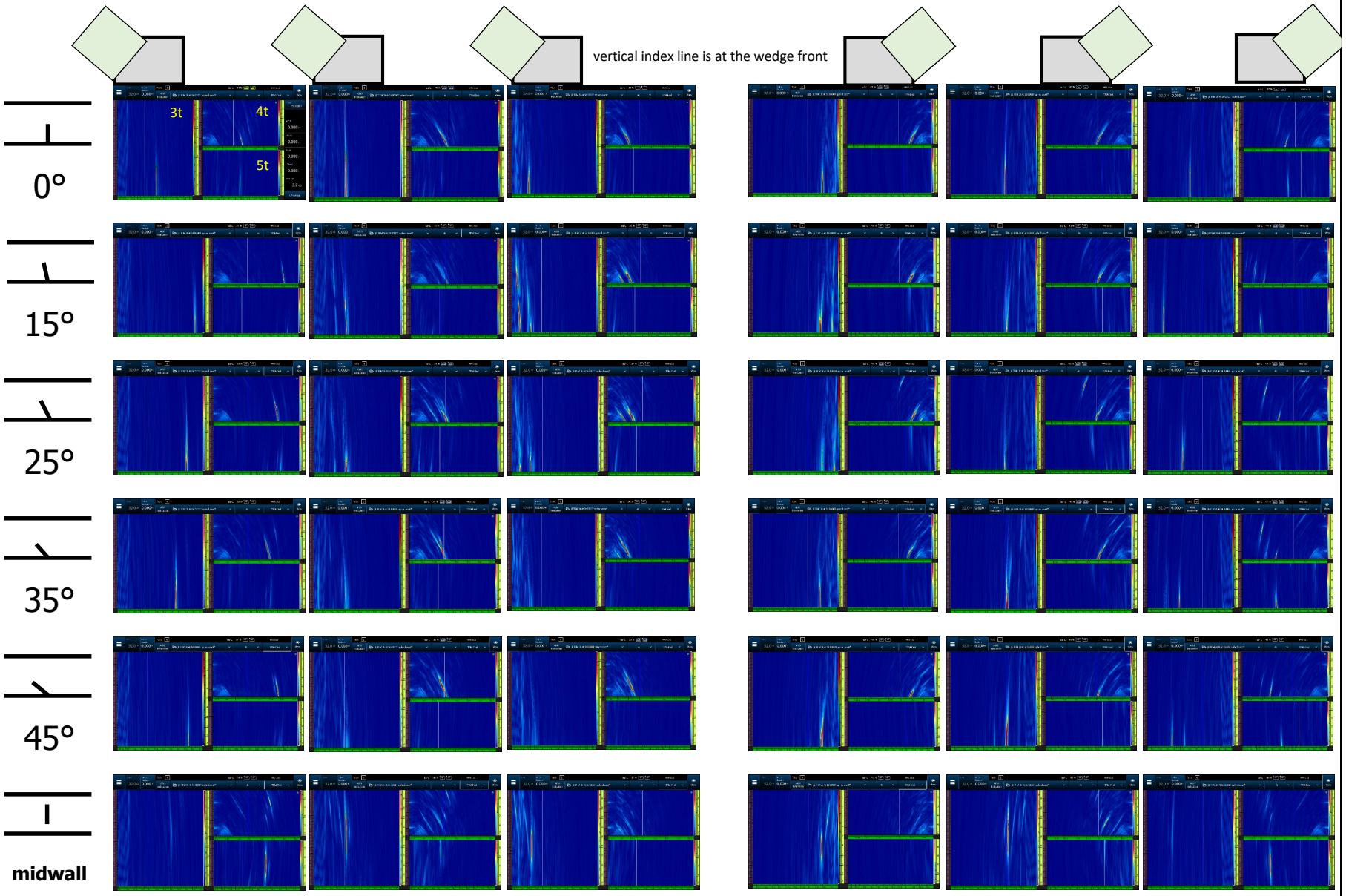
from jimmy ellis +1 718-757-9464 utgeek@earthlink.net -- https://www.utofpipelinedigs.com notches flaw height; vertical through-wall extent is 0.090" (2.23mm) taken with Olympus 10L32 A10 N55S **SPHERICAL** setting

TFM tt of OD notches on 0.300" (7.62mm) thick notch blocks with a 0.75" (19.05mm) deep screen



from jimmy ellis +1 718-757-9464 utgeek@earthlink.net -- https://www.utofpipelinedigs.com notches flaw height; vertical through-wall extent is 0.090" (2.23mm) taken with Olympus 10L32 A10 N55S **SPHERICAL** setting

TFM 3t 4t & 5t of ID notches on 0.300" (7.62mm) thick notch blocks with 0.300" (19.05mm) deep screens



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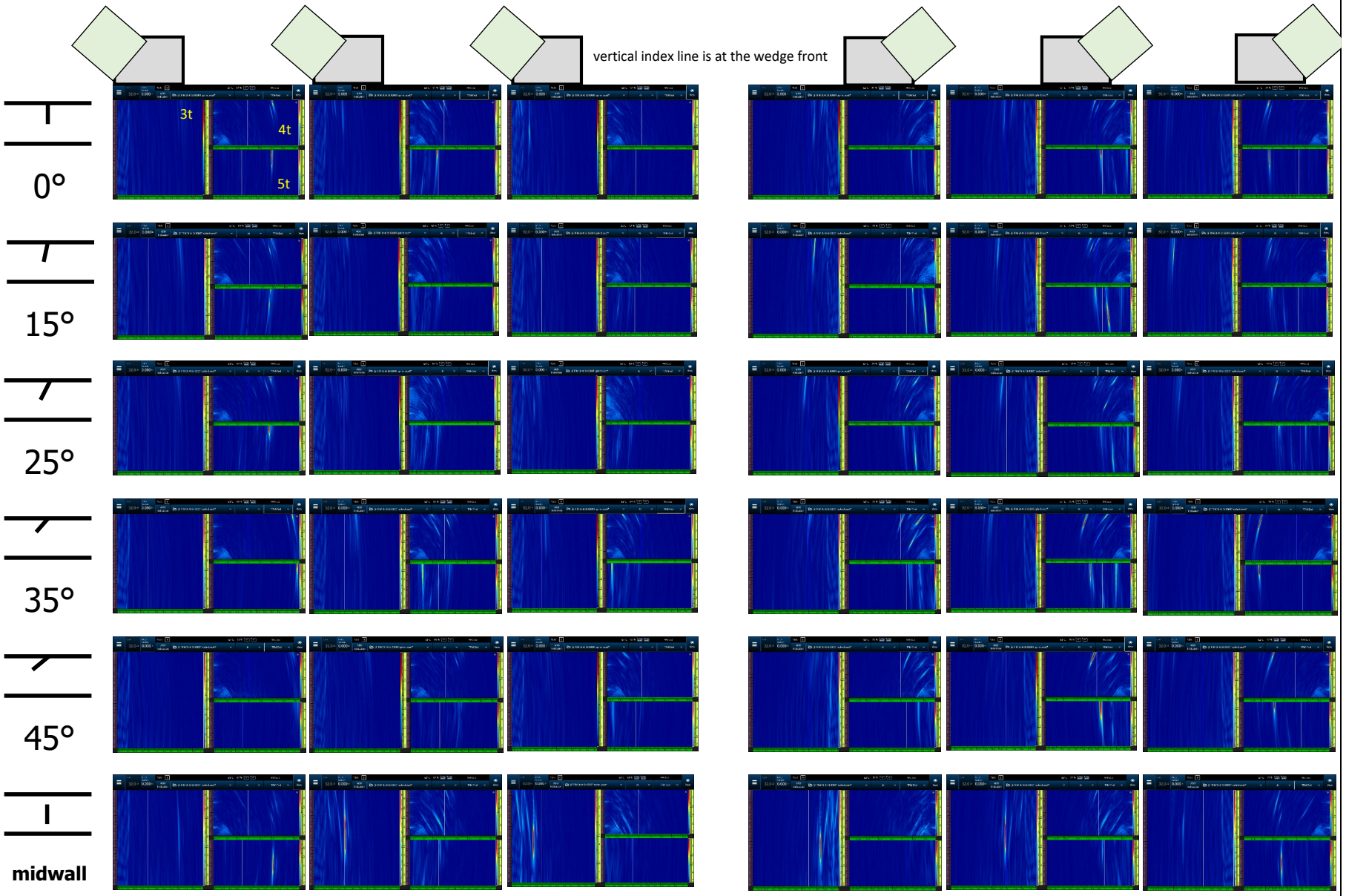
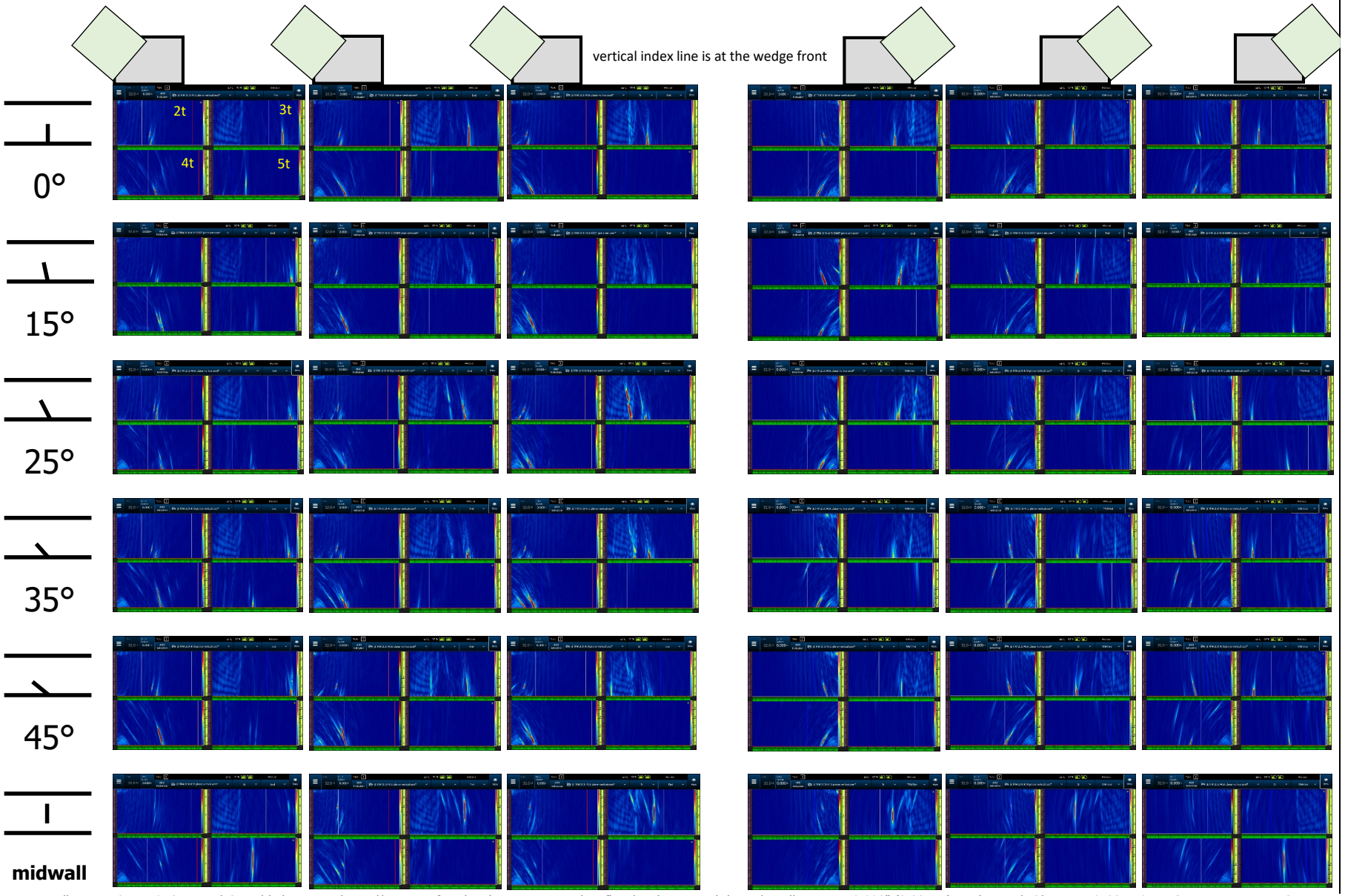
TFM 3t 4t & 5t of OD notches on 0.300" (7.62mm) thick notch blocks with 0.300" (19.05mm) deep screens



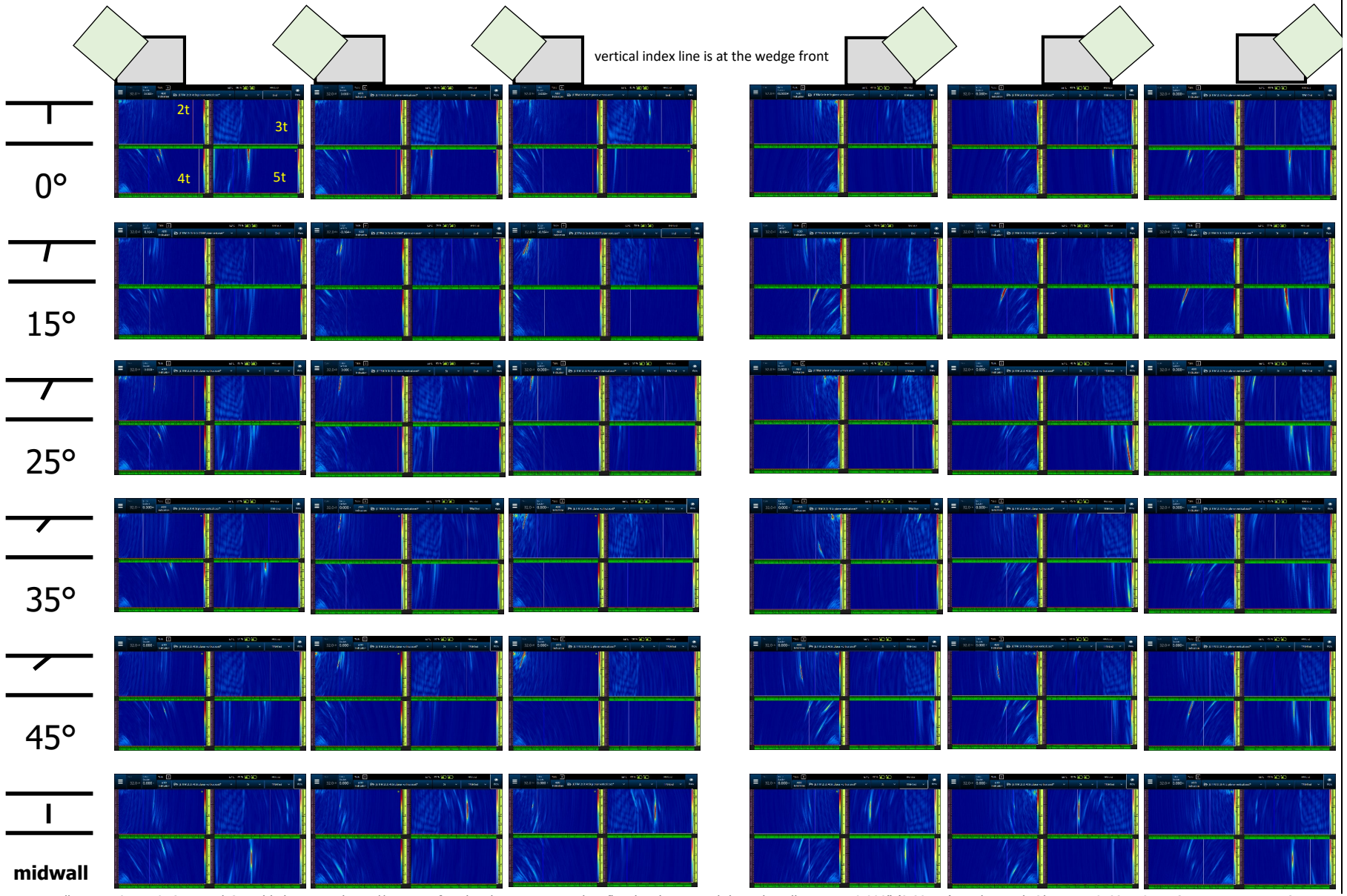
from jimmy ellis +1 718-757-9464 utgeek@earthlink.net -- https://www.utofpipelinedigs.com notches flaw height; vertical through-wall extent is 0.090" (2.23mm) taken with Olympus 10L32 A10 N55S **SPHERICAL** setting

TFM 2t 3t 4t & 5t of ID notches on 0.300" (7.62mm) thick notch blocks with 0.300" (19.05mm) deep screens



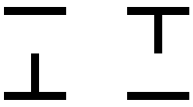
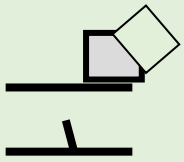
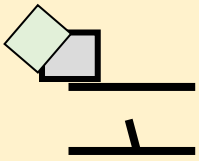
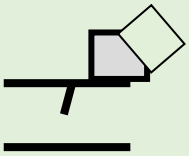
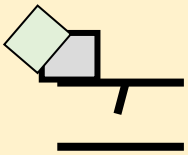
from jimmy ellis +1 718-757-9464 utgeek@earthlink.net -- https://www.utofpipelinedigs.com notches flaw height; vertical through-wall extent is 0.090" (2.23mm) taken with Olympus 10L32 A10 N55S **PLANAR VERTICAL** settir

TFM 2t 3t 4t & 5t of OD notches on 0.300" (7.62mm) thick notch blocks with 0.300" (19.05mm) deep screens



from jimmy ellis +1 718-757-9464 utgeek@earthlink.net -- https://www.utofpipelinedigs.com notches flaw height; vertical through-wall extent is 0.090" (2.23mm) taken with Olympus 10L32 A10 N55S **PLANAR VERTICAL** settir

Observations for the tt **spherical** mode of ID and OD notches, with a screen 2 1/2 legs deep.

0° notches		The corner never walks up into the tip. The tip is over the corner where the corner meets the "B-0" line.
ID connected slanted notches		When leaning away from the probe, the corner (at the "B-0"line) is closer to the probe than the tip. The corner walks into the tip.
		When leaning towards the probe, the tip is closer to the probe than the corner (at the "B-0"line). The corner does not walk into the tip.
OD connected slanted notches		When leaning away from the probe watch out for off-mode indications.
		When leaning towards the probe, things look great at the start of leg 1 and look good at the start of leg3.

IDs look better near the "B-0" line.

ODs look better near the "T-1" line.

For midwalls, the bottom tips are always extremely weak, and watch out for the off-mode indication near the bottom tip.

Watch out for off-mode indications

Add your observations here:

Observations for the 3t, 4t, and 5t **spherical** mode of ID and OD notches, with a screen 1 leg deep.

3t

OD slant away 15°
midwall vertical ✓
ID vertical
ID slant toward
ID slant away

4t

OD vertical ✓
OD slant toward
OD slant away 25°35°45°

ID vertical
ID slant toward ✓
ID slant away

5t

OD vertical

OD slant away 45°
midwall vertical ✓

If listed in the view it is imaged well (but not necessarily good for sizing).

Toward/Away: OD slant toward means the flaw is slanted toward the probe

✓ = good for flaw height SIZING

Watch out for off-mode indications

Add your observations here:

Observations for the 2t, 3t, 4t, and 5t **planar vertical** mode of ID and OD notches, with a screen 1 leg deep.

2t OD vertical OD slant toward ✓ OD slant away ID vertical ✓ ID slant toward ✓ ID slant away ✓	3t OD slant toward OD slant away midwall vertical ✓ ID vertical ID slant toward ID slant away
4t OD vertical ✓ OD slant toward OD slant away ID vertical ID slant toward ID slant away	5t OD vertical midwall vertical ✓ ID vertical (sometimes)

If listed in the view it is imaged well (but not necessarily good for sizing).

Toward/Away: OD slant toward means the flaw is slanted toward the probe

✓ = good for flaw height SIZING

Watch out for off-mode indications

Add your observations here:

notes:

The excel that this PDF was made from has the original snips from data in it and with the use of "Freeze Panes" and zooming, sets of three data snips at a time can be conveniently viewed at good magnification.

Before enabling "Freeze Panes" select cells A5 thru F9. For some laptops a zoom magnification of 190% works well, but your laptop will likely need something different.

The excel can be obtained by first contacting jimmy ellis at 718-757-9464 or utgeek@earthlink.net

For printing as posters a landscape orientation of 36" x 24" works well.

The cal blocks used here are available at the same website by downloading "JE_cal block and coupon prices_Mar 20 2021.pdf" from:

https://UTofPipelineDigs.com