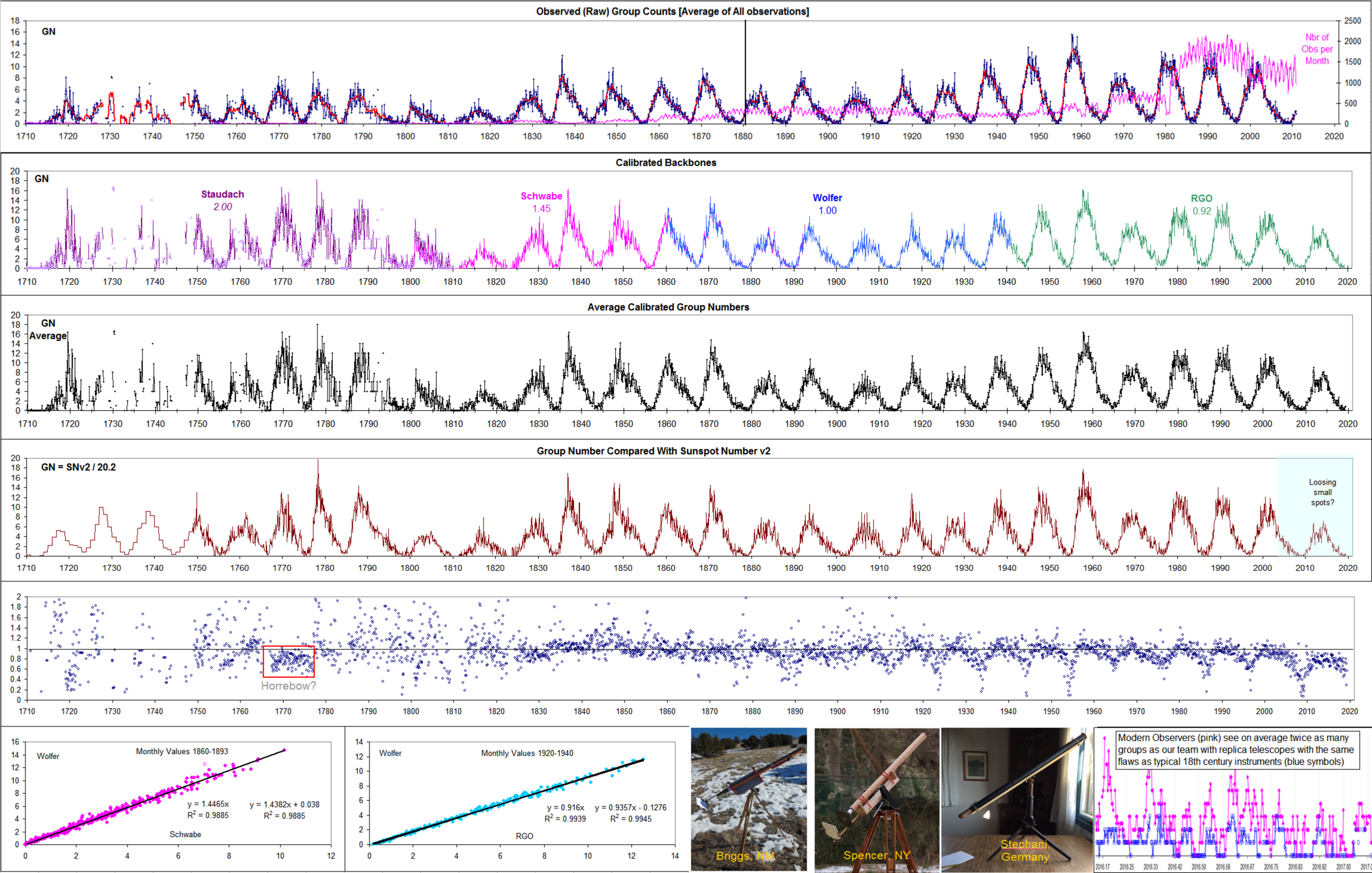
Observed (Raw) Group Counts [Average of All observations]
GN
Nbr of Obs per Month
Calibrated Backbones
GN
Staudach
2.00
Schwabe
1.45
Wolfer
1.00
RGO
0.92
Average Calibrated Group Numbers
GN
Average
Group Number Compared With Sunspot Number v2
GN = SNv2 / 20.2
Loosing small spots?
Horrebow?
Wolfer
Monthly Values 1860-1893
y = 1.4465x
R² = 0.9885
y = 1.4382x + 0.038
R² = 0.9885
Schwabe
Wolfer
Monthly Values 1920-1940
y = 0.916x
R² = 0.9939
y = 0.9357x - 0.1276
R² = 0.9945
RGO
Briggs, NM
Spencer, NY
Stephani Germany
Modern Observers (pink) see on average twice as many groups as our team with replica telescopes with the same flaws as typical 18th century instruments (blue symbols)